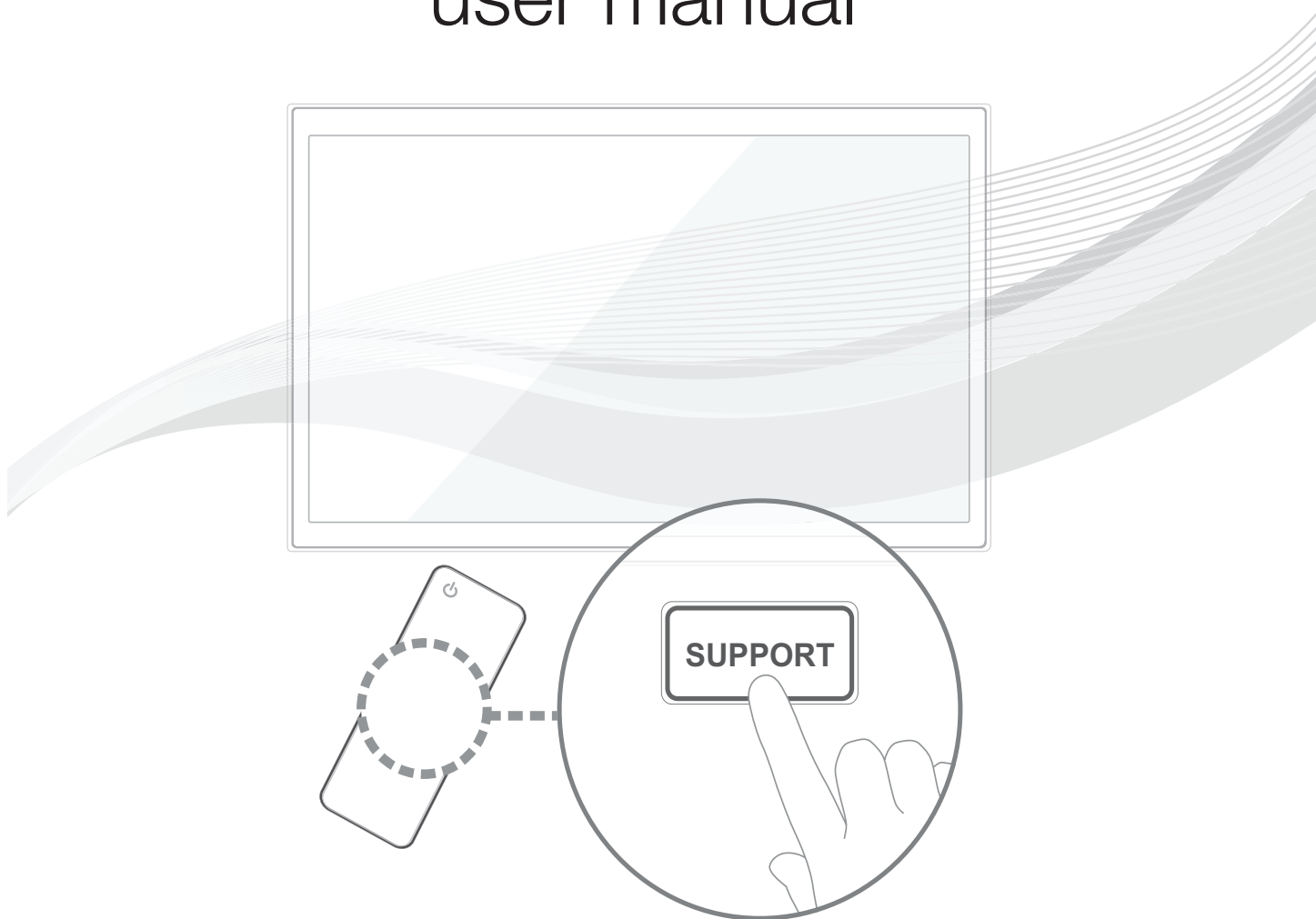




SERIES **5+**
550

Plasma TV


user manual



Thank you for purchasing this Samsung product.
To receive more complete service, please register
your product at

www.samsung.com/register

Model _____ Serial No. _____

 If you have any questions, please call us at 1-800-SAMSUNG (1-800-726-7864) for assistance.

Figures and illustrations in this User Manual are provided for reference only and may differ from actual product appearances. Product design and specifications may be changed without notice.

Important Warranty Information Regarding

Wide screen format PDP Displays (with 16:9 aspect ratios, the ratio of the screen width to height) are primarily designed to view wide screen format full-motion video. The images displayed on them should primarily be in the wide screen, 16:9 ratio format, or expanded to fill the screen, if your model offers this feature, with the images constantly in motion. Displaying stationary graphics and images on the screen, such as the dark sidebars on non-expanded standard format television video and programming, should be limited to no more than 5% of the total television viewing per week.

Additionally, viewing other stationary images and text such as stock market reports, video game displays, station logos, web sites or computer graphics and patterns, should be limited as described above for all televisions. Displaying stationary images that exceed the above guidelines can cause uneven aging of PDP Displays that leave subtle, but permanent burned-in ghost images in the PDP picture. To avoid this, vary the programming and images, and primarily display full screen moving images, not stationary patterns or dark bars. On PDP models that offer picture sizing features, use these controls to view different formats as a full screen picture.

Be careful about the television formats you select and the length of time you view them. Uneven PDP aging as a result of format selection and use, as well as burned in images, are not covered by your Samsung limited warranty.

- **SAMSUNG ELECTRONICS NORTH AMERICAN LIMITED WARRANTY STATEMENT**

Subject to the requirements, conditions, exclusions and limitations of the original Limited Warranty supplied with Samsung Electronics (SAMSUNG) products, and the requirements, conditions, exclusions and limitations contained herein, SAMSUNG will additionally provide Warranty Repair Service in the United States on SAMSUNG products purchased in Canada, and in Canada on SAMSUNG products purchased in the United States, for the warranty period originally specified, and to the Original Purchaser only.

The above described warranty repairs must be performed by a SAMSUNG Authorized Service Center. Along with this Statement, the Original Limited Warranty Statement and a dated Bill of Sale as Proof of Purchase must be presented to the Service Center. Transportation to and from the Service Center is the responsibility of the purchaser. Conditions covered are limited only to manufacturing defects in material or workmanship, and only those encountered in normal use of the product.

Excluded, but not limited to, are any originally specified provisions for, in-home or on-site services, minimum or maximum repair times, exchanges or replacements, accessories, options, upgrades, or consumables.

For the location of a SAMSUNG Authorized Service Center, please call toll-free:

– In the United States : 1-800-SAMSUNG (1-800-726-7864)

– In Canada : 1-800-SAMSUNG

User Instructions

- **Screen Image retention**

Do not display a still image (such as on a video game) on the plasma display panel for more than several minutes as it can cause screen image retention. This image retention is also known as 'screen burn'. To avoid such image retention, refer to e-Manual to reduce the degree of brightness and contrast of the screen when displaying a still image.

- **Heat on the top of the Plasma TV**

The top side of the product may be hot after long periods of use as heat dissipates from the panel through the vent hole in the upper part of the product. This is normal and does not indicate any defect or operation failure of the product. However, children should be prevented from touching the upper part of the TV.

- **The product is making a 'cracking' noise.**

A 'cracking' noise may occur when the product contracts or expands due to a change in the surrounding environment such as temperature or humidity. This is normal and not a defect of the unit.

- **Cell Defects**

Your plasma TV has a panel containing 2,360,000 (HD-level) to 6,221,000 (FHD-level) pixels which require sophisticated technology to produce. However, there may be a few bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.

- **Avoid operating the TV at temperatures below 41°F (5°C)**

- **A still image displayed too long may cause permanent damage to the PDP Panel.**



Watching the Plasma TV in 4:3 format for a long period of time may leave traces of borders displayed on the left, right and center of the screen caused by the difference of light emission on the screen. Playing a DVD or a game console may cause similar effects to the screen. Damages caused by the above effect are not covered by the Warranty.

- **After-images on the Screen.**

Displaying still images from Video games or a PC for longer than a certain period of time may produce partial after-images.

To prevent this effect, reduce the 'brightness' and 'contrast' when displaying still images for a long time.

- **Warranty**

Warranty does not cover any damage caused by image retention. Burn-in is not covered by the warranty.

- **Caution**



The glass screen of your PDP TV can break if you accidentally drop the TV. Handle the TV with care.

When moving the TV, always have two or more people pick it up and carry it as a safety precaution. Do not lay the TV flat on its face or back.

Your Samsung Plasma TV is a high quality television that has been carefully packaged to protect the integrity of its glass panel and component parts during shipment. It is, nonetheless, a fragile piece of electronics that requires careful handling. Refrain from putting undue stress on any part of the packaging when shipping or unpacking the TV. Use care when installing the TV. Avoid placing the TV in a location where it may be struck, exposed to sharp impacts, or fall. Panel breakage caused by a fall or impact strike is not covered under the manufacturer's warranty.

List of Features

- **3D:** This exciting new feature enables you to view 3D content.
- **SMART HUB:** Your gateway to all your content, integrated in one place.
 - Provides diverse entertainment choices.
 - Lets you control your entertainment life with an easy-to-use, user friendly user interface.
 - Gives you easy access to diverse apps, with more being added every day.
 - Lets you customize your TV by grouping and sorting apps to your taste.
- **AllShare Play:** Lets you access, view, or play photos, videos, or music located on USB devices, digital cameras, cell phones, and PCs. PCs and cell phones can be accessed wirelessly, through your wireless network.
- **Anynet+ (HDMI-CEC):** Allows you to control all connected Samsung devices that support Anynet+ with your Samsung TV's remote.
- **e-Manual:** Provides a detailed, on-screen user's manual that's built into your TV. (page 27)

Accessories and Cables

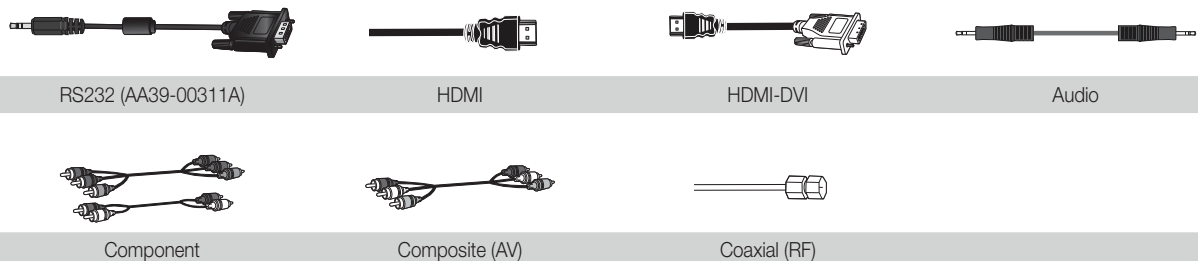
- ✎ Please make sure the following items are included with your TV. If any items are missing, contact your dealer.
- ✎ The items' colors and shapes may vary depending on the model.
- ✎ Make sure that there are no accessories hidden behind or under packing materials after you open the box.

- | | |
|--|--------------------------------|
| • Remote Control (AA59-00579A) & Batteries (AAA x 2) | • Cleaning Cloth (BN63-01798B) |
| • Warranty Card / Safety Guide | • 3D Active Glasses |
| • User Manual | • Power Cord |

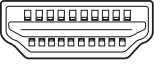
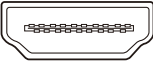




Input Cables (Sold Separately)

You will need one or more of these cables to connect your TV to your antenna or cable outlet and your peripheral devices (Blu-ray players, DVD players, etc.)

To purchase the RS232 cable, contact www.SamsungParts.com.



- ✎ Make sure you have the correct cable before plugging it in. Illustrations of common plugs and jacks are below.

	Cable Plugs	Ports / Jacks
HDMI		
USB		
Optical		



Warning

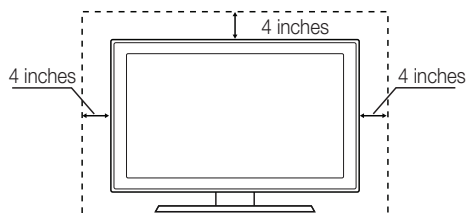
Do not plug cables in upside down.
Be sure to check the orientation of the plug before plugging it in.

Providing Proper Ventilation for Your TV

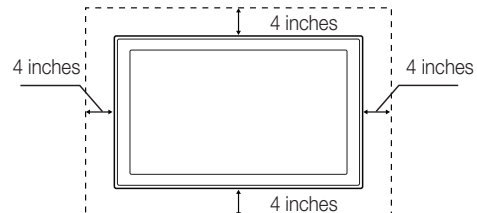
When you install your TV, maintain a distance of at least 4 inches between the TV and other objects (walls, cabinet sides, etc.) to ensure proper ventilation. Failing to maintain proper ventilation may result in a fire or a problem with the product caused by an increase in its internal temperature.

- ✎ Whether you install your TV using a stand or a wall-mount, we strongly recommend you use parts provided by Samsung Electronics only.
- If you use parts provided by another manufacturer, it may cause difficulties with the product or result in injury caused by the product falling.

Installation with a stand.



Installation with a wall-mount.

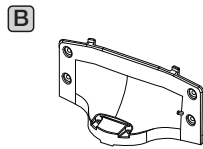
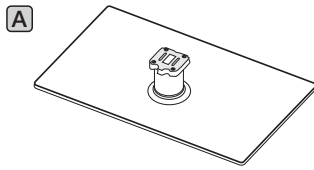


Other Warnings

- ✎ The actual appearance of the TV may differ from the images in this manual, depending on the model.
- ✎ Be careful when you touch the TV. Some parts can be somewhat hot.

Installing the Stand

Stand Parts:

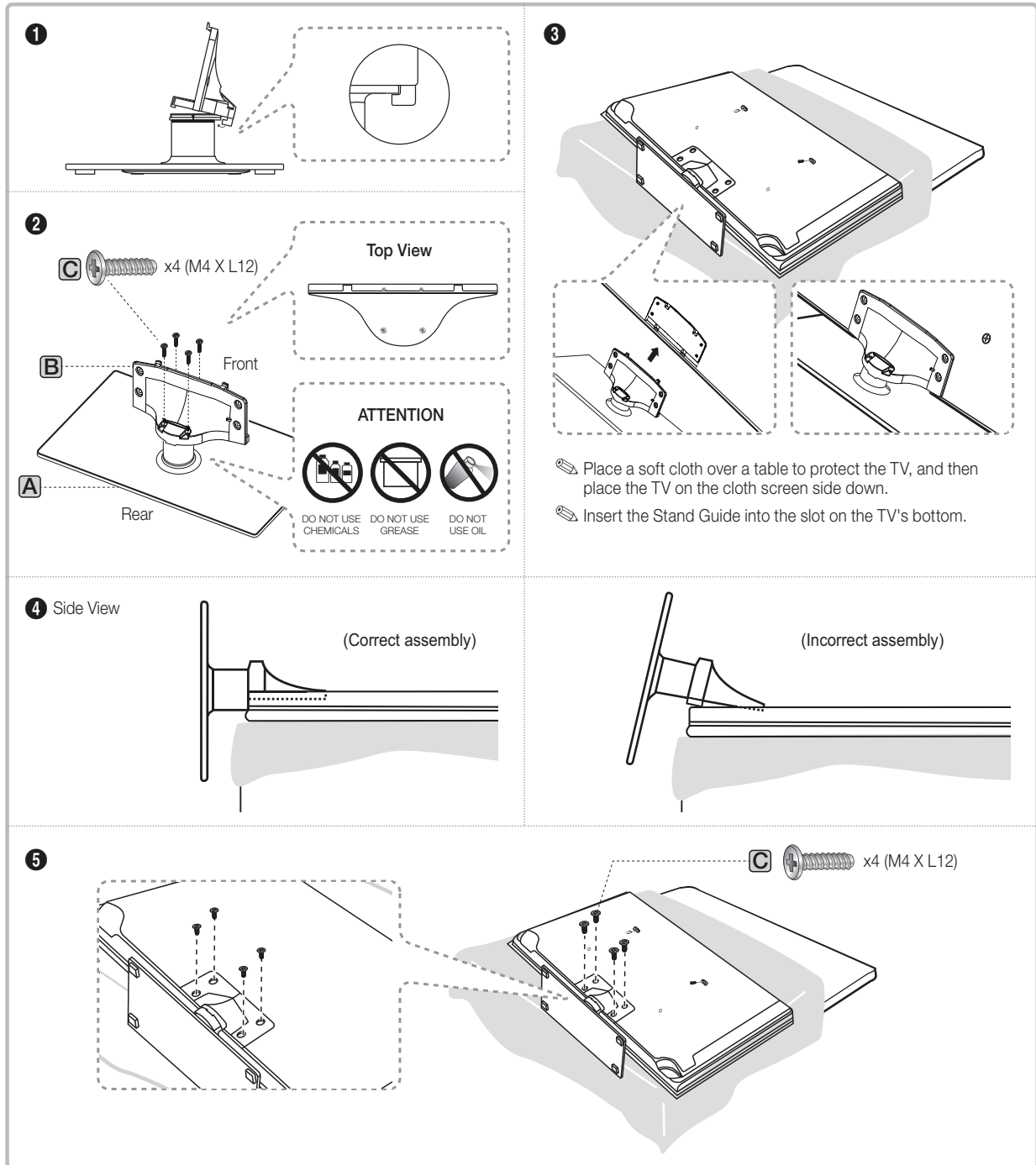


Stand x 1

Guide Stand x 1

Screws x 8

Follow the steps below to connect the TV to the stand. For more detailed instructions, see the separate stand installation guide.



NOTE

- Make sure to distinguish between the front and back of each component when assembling them.
- Make sure that at least two people lift and move the TV.
- Stand the product up before you tighten the screws. If you tighten the screws with the TV lying down, it may lean to one side when you stand it up.

 **Do not insert your fingers into the stand base slot of the TV when installing the stand base.**

Installing the Wall Mount (Optional)



Wall or Ceiling Mounting

If you mount this product on a wall, it should be mounted only as recommended by the manufacturer. Unless it is correctly mounted, the product may slide or fall, causing serious injury to a child or adult, and serious damage to the product.

Installing the Wall Mount Kit

The wall mount kit (sold separately) lets you mount the TV on the wall.

For detailed information about installing the wall mount, see the instructions provided with the wall mount. We recommend you contact a technician for assistance when installing the wall mount bracket. We do not advise you to do it yourself. Samsung Electronics is not responsible for any damage to the product or injury to yourself or others if you elect to install the wall mount on your own.

To order the wall mount kit, contact Samsung Customer Care at 1-800-SAMSUNG (1-800-726-7864).

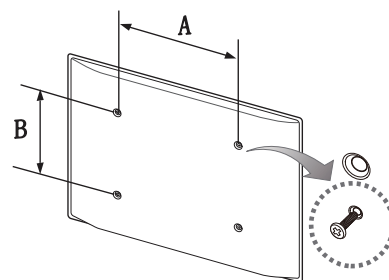
VESA Wall Mount Kit Notes and Specifications

✎ Install your wall mount on a solid wall perpendicular to the floor. Before attaching the wall mount to surfaces other than plaster board, please contact your nearest dealer for additional information. If you install the TV on a ceiling or slanted wall, it may fall and result in severe personal injury.

✎ NOTE

- Standard dimensions for wall mount kits are shown in the table below.
- Samsung wall mount kits contain a detailed installation manual and all parts necessary for assembly are provided.
- Do not use screws that do not comply with the VESA standard screw specifications.
- Do not use screws that are longer than the standard length or do not comply with the VESA standard screw specifications. Screws that are too long may cause damage to the inside of the TV set.
- For wall mounts that do not comply with the VESA standard screw specifications, the length of the screws may differ depending on the wall mount specifications.
- Do not fasten the screws too firmly. This may damage the product or cause the product to fall, leading to personal injury. Samsung is not liable for these kinds of accidents.
- Samsung is not liable for product damage or personal injury when a non-VESA or non-specified wall mount is used or the consumer fails to follow the product installation instructions.
- Do not mount the TV at more than a 15 degree tilt.
- Always have two people mount the TV on a wall.

Product Family	TV size in inches	VESA screw hole specs (A * B) in millimeters	Standard Screw	Quantity
PDP TV	43 – 51	400 X 400	M8	4
	60 – 64	600 X 400		



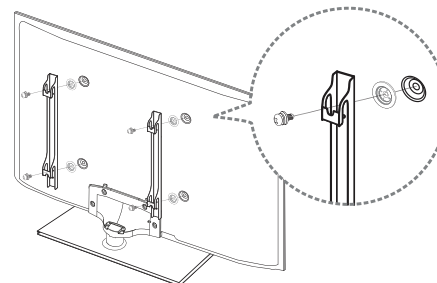
✎ Remove the screws in the mounting holes before you install the wall mount.



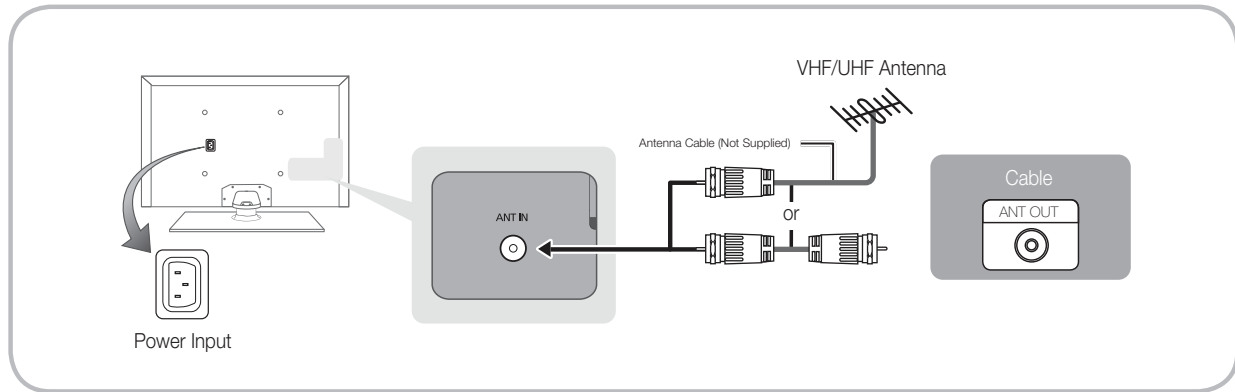
Do not install your Wall Mount Kit while your TV is turned on. It may result in personal injury due to electric shock.

Installing a Wall Mount from Another Manufacturer

To install a wall-mount from another manufacturer, use the Holder-Ring.



Connecting the Power Cord and the Antenna or Cable Connection



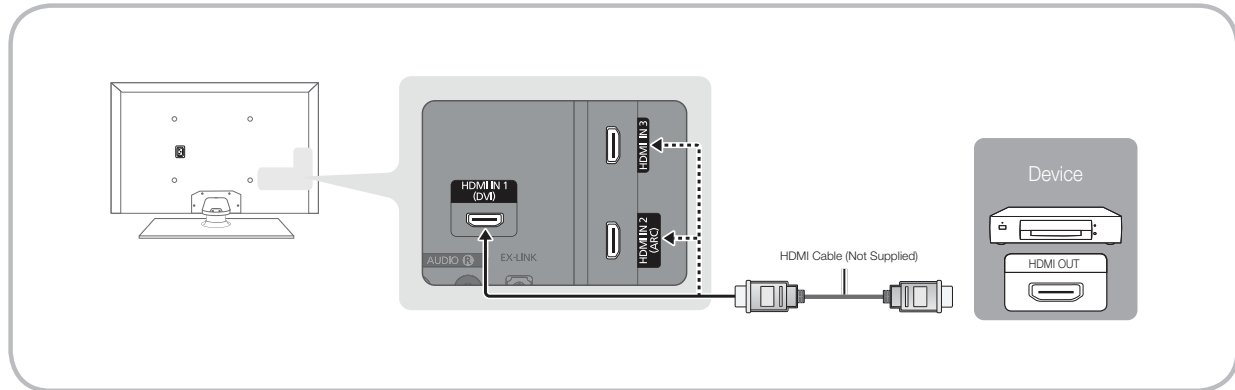
- ⚠ Plug the power cord into a wall outlet only after you have made all other connections.
- ⚠ If you are connecting your TV to a cable or satellite box using HDMI, Component, or Composite connections, you do not need to connect the ANT IN jack to an antenna or a cable connection.
- ⚠ The Plasma TV may interfere with an amateur radio or AM radio.
- ⚠ Using two-way radio mobile and portable units or amateur radio or AM radio near your TV may cause the TV to malfunction.
- ⚠ Use caution when you move or swivel the TV if the antenna cable is tightly connected. You could break the antenna jack off the TV.

Connecting to AV Devices (Blu-ray Players, DVD Players, etc.)

Using an HDMI Cable for an HD connection (up to 1080p, HD digital signals)

For the best quality HD picture, we recommend using an HDMI connection.

Use with DVD players, Blu-ray players, HD cable boxes, and HD Set-Top-Box satellite receivers.

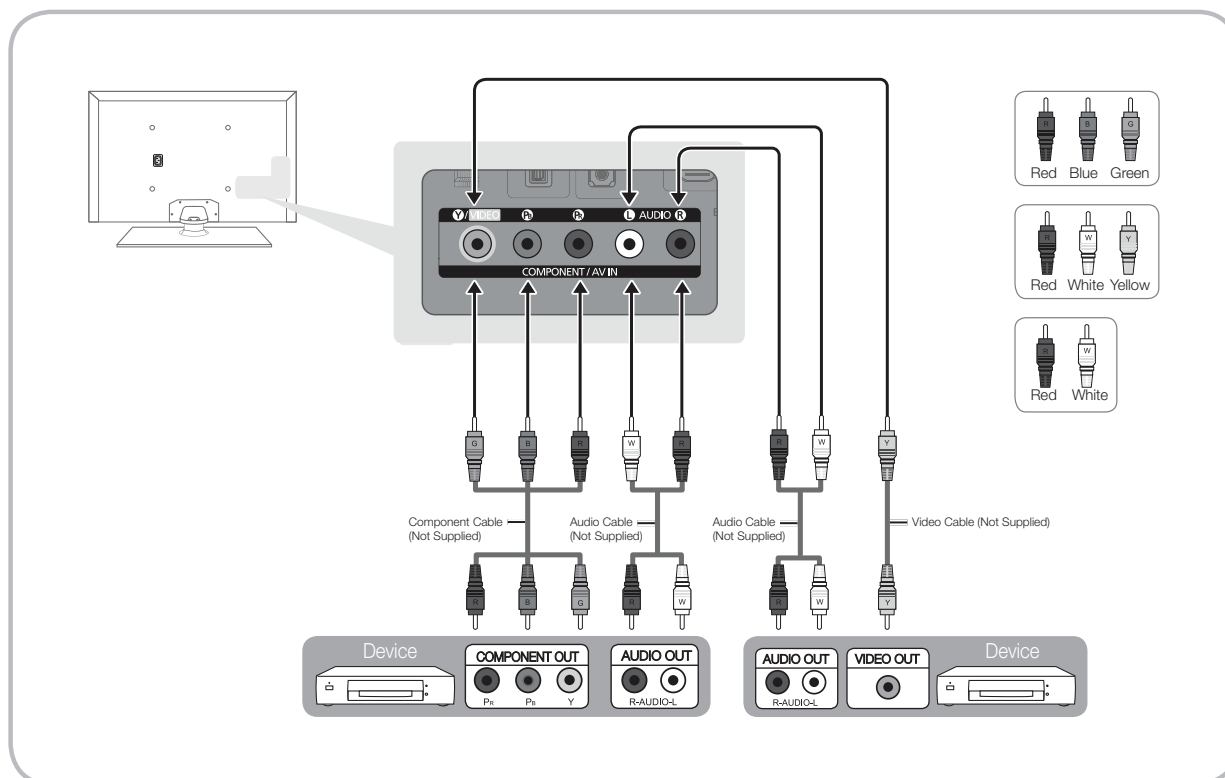


HDMI IN 1 (DVI), HDMI IN 2 (ARC), HDMI IN 3

- For the best picture and audio quality, connect digital devices to the TV using HDMI cables.
- An HDMI cable supports digital video and audio signals, and does not require an audio cable.
 - To connect the TV to a digital device that does not support HDMI output, use an HDMI to DVI cable and audio cables.
- If you connect an external device to the TV that uses an older version of HDMI, the video and audio may not work. If this occurs, ask the manufacturer of the device about the HDMI version and, if it is out of date, request an upgrade.
- Be sure to purchase a certified HDMI cable. Otherwise, the picture may not display or a connection error may occur.
- We recommend using a basic high-speed HDMI cable or an HDMI cable that is Ethernet compatible. Note that this product does not support the Ethernet function via HDMI.
- This product supports the 3D and ARC (Audio Return Channel) functions via an HDMI cable. Note that the ARC function is supported by the **HDMI IN 2 (ARC)** port only.
- The ARC function allows digital audio to output via the **HDMI IN 2 (ARC)** port on the TV. It can be enabled only when the TV is connected with an audio receiver that supports the ARC function.

Using a Component Cable (up to 1080p HD signals) or an Audio/Video Cable (480i analog signals only)

Use with DVD players, Blu-ray players, cable boxes, STB satellite receivers, VCRs.

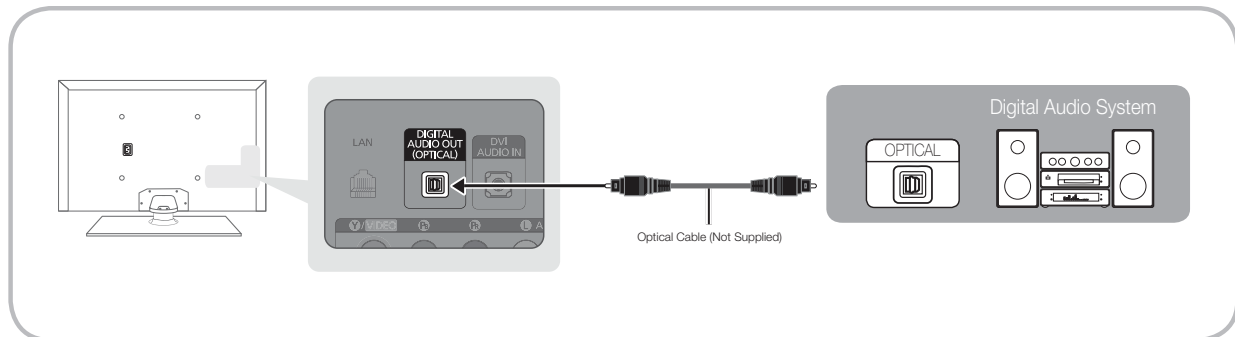


- ✎ For better picture quality, we recommend the Component connection over the A/V connection.
- ✎ When you connect a Video cable to **COMPONENT / AV IN**, the color of the **COMPONENT / AV IN** [VIDEO] jack (green) will not match the video cable (yellow).

Connecting to Audio Devices

Using an Optical (Digital) Cable Connection

Use with Digital Audio Systems, Amplifiers, and Home Theaters.



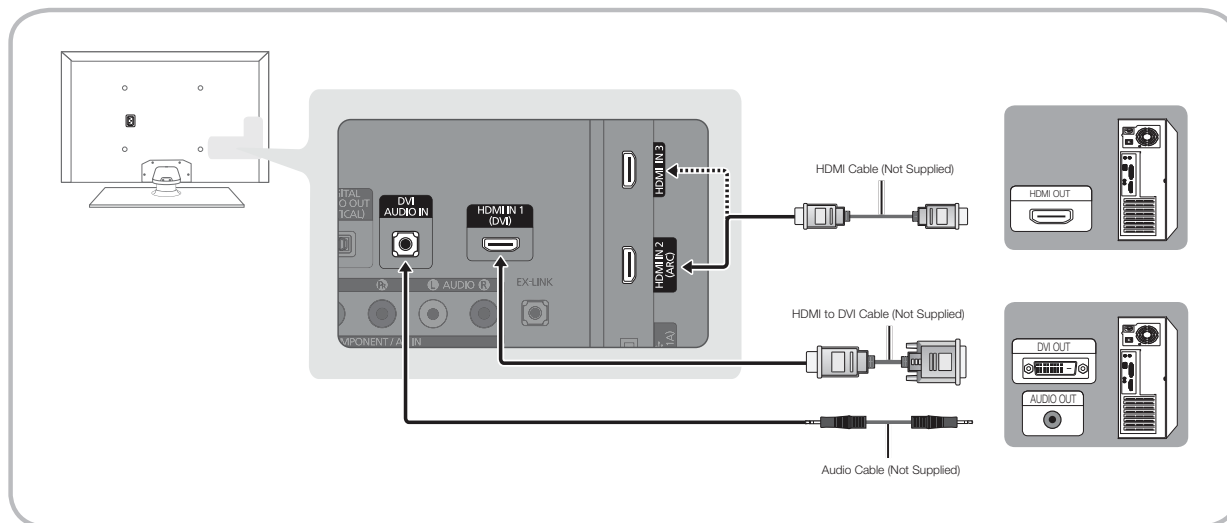
DIGITAL AUDIO OUT (OPTICAL)

- When you connect a Digital Audio System to the **DIGITAL AUDIO OUT (OPTICAL)** jack, decrease the volume of both the TV and the system.
- 5.1 CH (channel) audio is available when you connect the TV to an external device supporting 5.1 CH.
- When the receiver (or home theater) is set to on, you can hear sound output from the TV's optical jack. When the TV is receiving a DTV signal, the TV will send 5.1 CH sound to the home theater receiver. When the source is a digital component such as a DVD player / Blu-ray player / cable box / STB (Set-Top-Box) satellite receiver and you connected it to the TV via HDMI, you will only hear 2 CH audio from the home theater receiver. If you want to hear 5.1 CH audio, connect the digital audio out jack from your DVD / Blu-ray player / cable box / STB satellite receiver directly to an amplifier or home theater.

Connecting to a PC

Using an HDMI cable or an HDMI to DVI cable

- ✎ Your PC may not support an HDMI connection.
- ✎ Use your PC speakers for audio.



The optimal resolution is 1920 X 1080 @ 60 Hz. See the Display Resolution page for all available resolutions (page 36).

NOTE

- For an HDMI to DVI cable connection, you must use the **HDMI IN 1 (DVI)** jack.
- For PCs with DVI video out jacks, use an HDMI to DVI cable to connect the DVI out on the PC to the **HDMI IN 1 (DVI)** jack on the TV. Use the PC's speakers for audio.
- PC (D-Sub) input is not supported.

The EX-Link Cable Connection



The **EX-LINK** connection is for service only.

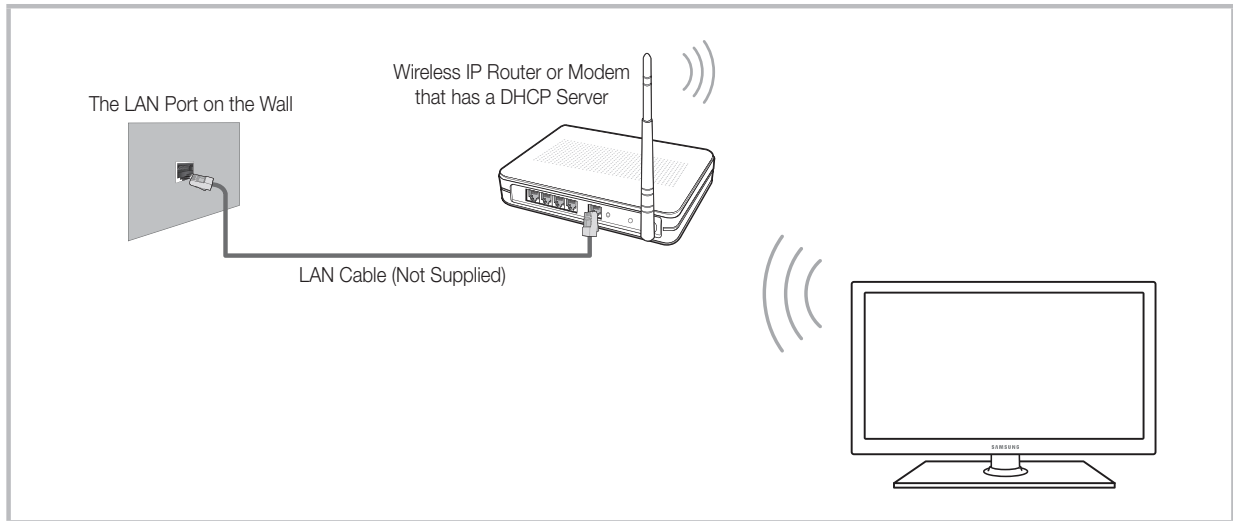
Connecting to a Network

You can set up your TV so that it can access SMART TV applications through your local area network (LAN) using a wired or wireless connection.

- ✎ After you have “physically” connected your TV to your network, you must configure the network connection to complete the process. You can configure the connection during the Initial Setup process (see page 17) or after the Initial Setup process, through the TV's menu (see page 25).

Network Connection - Wireless

You can connect your TV to your local area network (LAN) through a standard wireless router or modem.



This TV supports the IEEE 802.11a/b/g and n communication protocols. Samsung recommends using IEEE 802.11n. If you play video using IEEE 802.11a, b, or g, the video may not play smoothly.

Most wireless network systems incorporate a security system that requires devices that access the network through an access point or AP (typically a wireless router or modem) to transmit an encrypted security code called an access key.

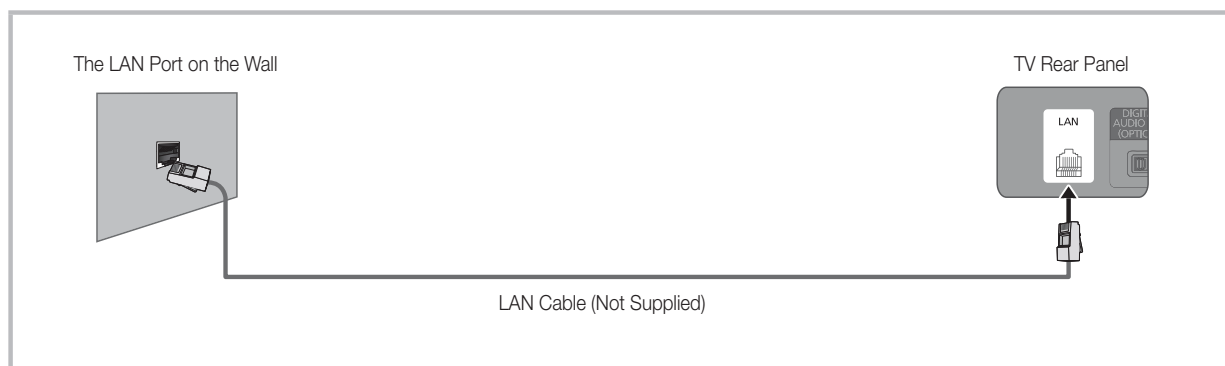
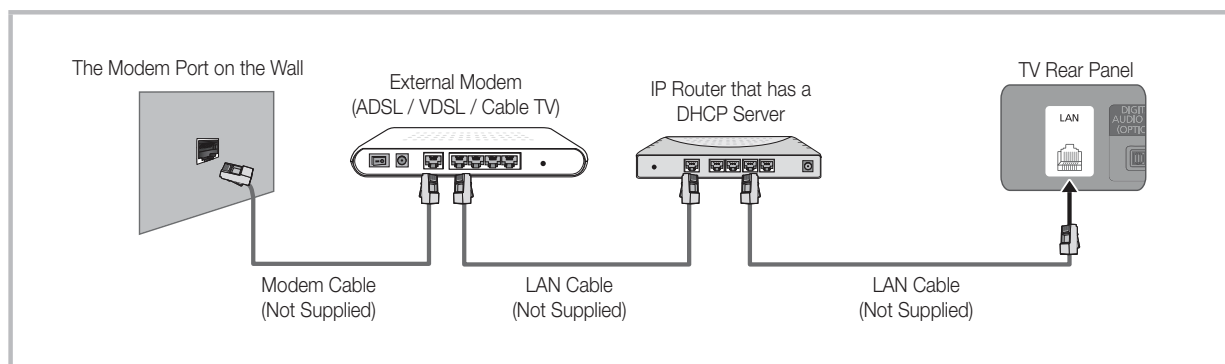
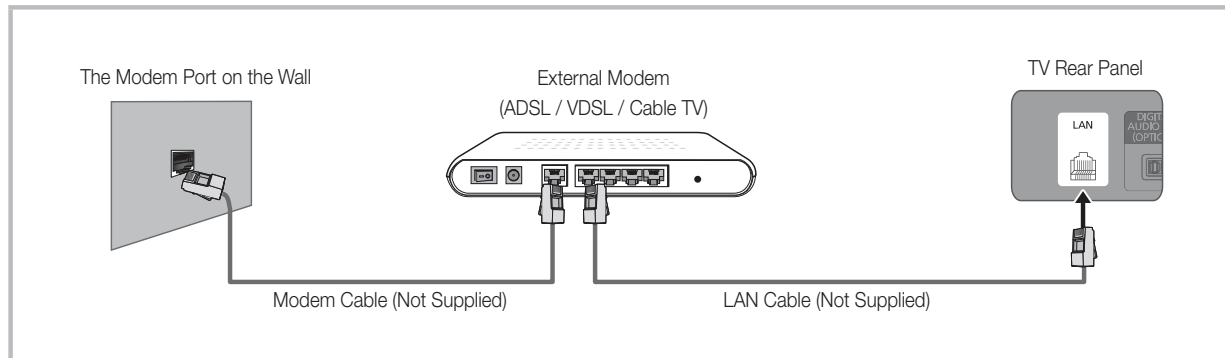
Your TV is compatible with the following security protocols:

- Authentication Mode: OPEN, SHARED, WPAPSK, WPA2PSK
- Encryption Type: WEP, TKIP, AES

If you select Pure High-throughput (Greenfield) 802.11n mode and the Encryption type is set to WEP or TKIP on your AP or wireless router, Samsung TVs will not support a connection in compliance with new Wi-Fi certification specifications.

Network Connection - Wired

There are three main ways to connect your TV to your network using cable, depending on your network setup. They are illustrated starting below:

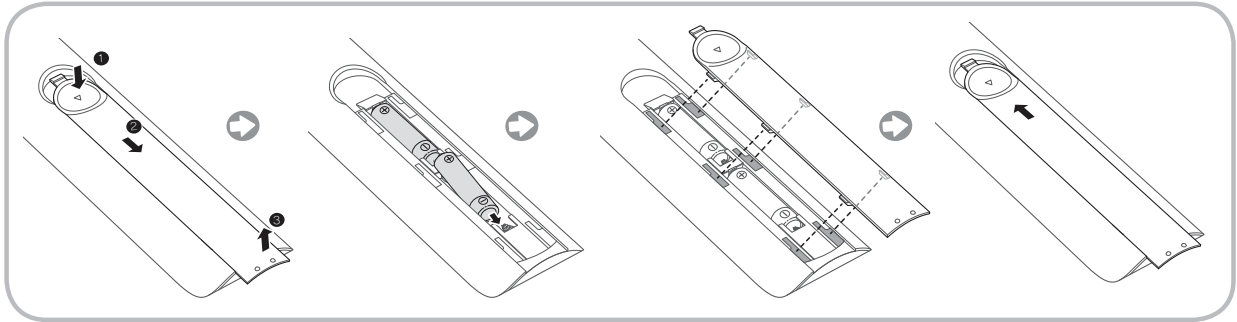


- 🔧 The TV does not support network speeds less than or equal to 10Mbps.
- 🔧 Use Cat 5 or 6 (STP Type*) cable for the connection. (*Shielded Twisted Pair)

The Remote Control

Installing batteries (Battery size: AAA)

Match the polarity of the batteries to the symbols in the battery compartment.



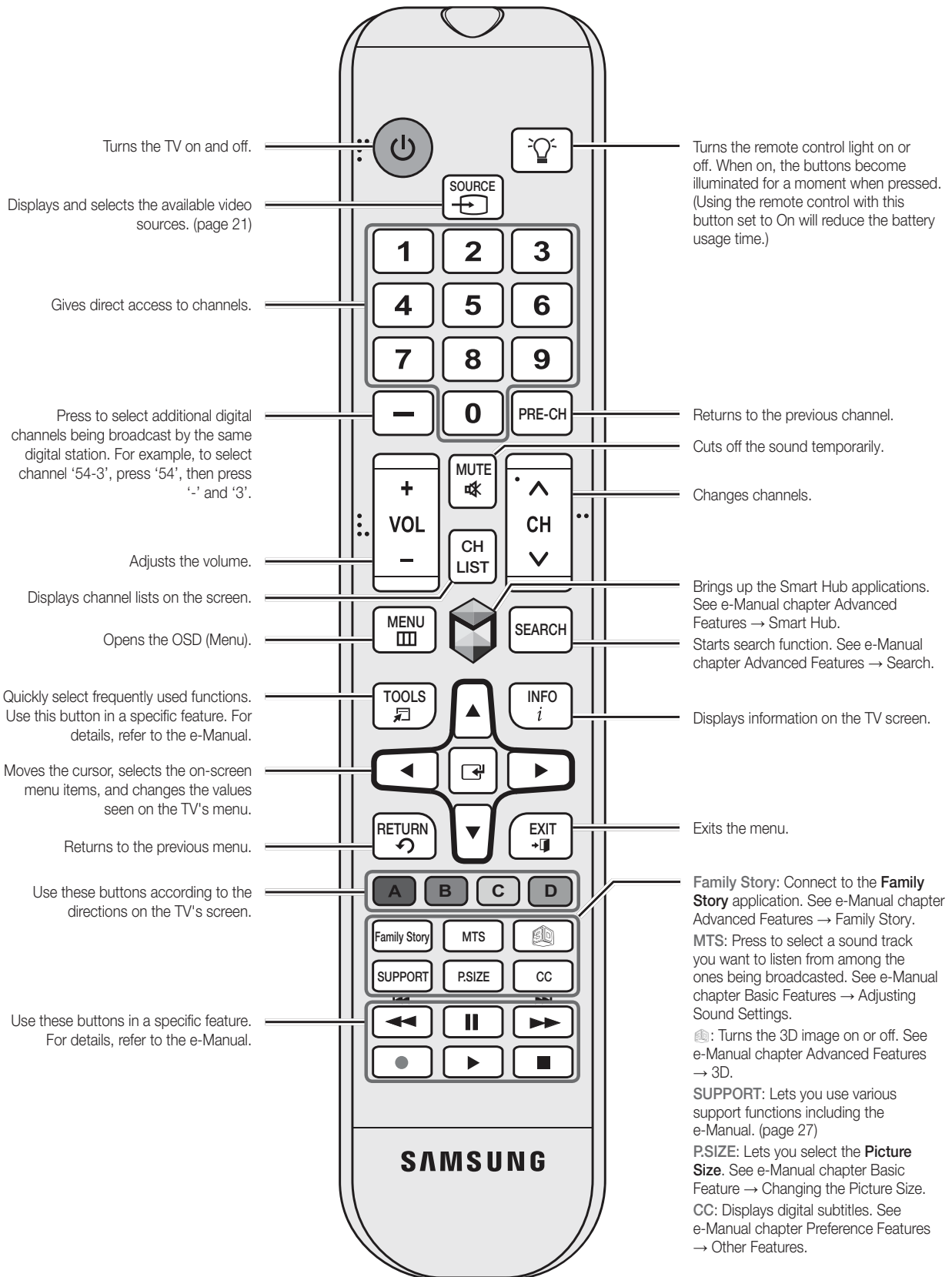
NOTE

- Install the batteries so that the polarity of the batteries (+/-) matches the illustration in the battery compartment.
- Use the remote control within 23 feet of the TV.
- Bright light may affect the performance of the remote control. Avoid using it near fluorescent lights or neon signs.
- The color and shape of the remote may vary depending on the model.


The Remote Control Buttons





Learn where the function buttons are on your remote. Especially note **SOURCE**, **MUTE**, **VOL**, **CH**, **MENU**, **TOOLS**, **↩**, **INFO**, **CH LIST**, **RETURN**, and **EXIT**.




- ✎ This remote control has Braille points on the Power, Channel, and Volume buttons and can be used by visually impaired persons.



Configuring the Basic Settings in Initial Setup






When you turn the TV on for the first time, a sequence of screens and on-screen prompts will assist you in configuring the TV's basic settings. Plug the power cord into a wall outlet, and then press the  button to turn on the TV.

-  **Setup** is available only when the input source is set to TV. See "Changing the Input Source" (page 21).
-  To return to the previous step in the **Setup** sequence, select **Previous**.
-  If you are not using a cable box or satellite box, make sure you have connected the TV to an antenna or cable connection before you turn on the TV. See page 8 for instructions.
-  If you want to configure a wired network connection during **Setup**, make sure you've connected a LAN cable to your TV. See pages 14 for instructions. If you want to configure a wireless network connection during **Setup**, make sure your wireless modem or router is on and working.

1	Menu Language: Select a Language.	After you press the  button, the Start screen appears. Select Next to continue. The Menu Language screen appears. Select the menu language you want using your remote, and then select Next . The TV will display on-screen menus using the language you select beginning with the next step in the Setup process.
2	Use Mode: Select the Home Use Mode.	On the Use Mode screen, select the Home Use using your remote, and then select Next . The Network Settings screen appears.  Store Demo is for retail environments only. If you select Store Demo , some functions will not work, and the TV will reset all functions to their factory default every 15 minutes. For more information about Store Demo , go to the end of this section.
3	Network Settings: Configure the network settings  To configure later, select Skip . You can set up the network connection later using the on-screen Network menu.	To configuring your network settings, select Start using your remote, and then go to 3A - Wireless Network or 3B - Wired Network on the next page. If you do not know your network configuration information or want to configure the settings later, or do not have a network, select Skip , and then go to 6 - Auto Program (1) on page 19. To configure network settings later, refer to "Setting up the Wired or Wireless Network" in the e-Manual or see the Network Connection sections in this manual (pages 13 and 25).

3A








Wireless Network




1. The TV searches for and then displays all the wireless networks within range. When done, it displays a list of the networks. In the list of networks, move the Highlight to select a network, and then select **Next**. If the selected network requires a Security Key, the Security Key screen appears.
 -  If you have a WPS(PBC) compatible router, select **WPS(PBC)** instead, and then follow the directions on the screen. When done, go to Step 4.
2. Enter your network security key or WPS PIN using your remote.
 -  Enter numbers and letters using your remote.
 - You can enter numbers by pressing the number buttons on the remote.
 - To enter a letter, move the Highlight to the letter, and then select it. You can enter numbers in the same fashion if you choose.
 -  To display capital letters (or redisplay small letters if capital letters are displayed), select **Caps** or **Shift**.
 -  To display symbols and punctuation, select **★**. To redisplay letters, select **★** again.
3. When done, select **Next** if you have entered a security key or **WPS PIN** if you have entered a WPS PIN.
4. The TV checks the wireless connection. If the connection is successful, the **You are connected to the Internet. If you have any problems using online services, please contact your Internet Service Provider.** message appears. Select **Next**, and then go to 4 **Software Upgrade** Step.
 -  If the connection fails, select **Previous**, repeat Step 1 and 2, carefully re-enter your security key or WPS PIN, then repeat Steps 3 and 4. If it fails again, select **Next** on the "Connection Failed" screen, and then go to 6 - **Auto Program** (1) on the next page. Configure your network later through **Network Settings** in the TV's Menu. For more information, refer to "Setting up the Wired or Wireless Network" in the e-Manual or see the Network Connection sections in this manual (pages 13 and 25).

3B

Wired Network

The TV checks the network connection, then displays the **You are connected to the Internet. If you have any problems using online services, please contact your Internet Service Provider.** message appears. Select **Next**. The **Software Upgrade** screen appears.

4	Software Upgrade: Update the software to the latest version  To update later, select Skip .	<p>When Network Settings is complete, your TV will check for a new software version automatically. If new software is available, the TV downloads and installs the new software. When the download is complete, select Next.</p> <ul style="list-style-type: none">  If you want to upgrade later, select Skip. For more information, refer to Software Update (Preference Features → Support Menu) in the e-Manual.  This may take some time, depending on your network status.  You can only upgrade software if your TV has an active network connection.  If no new update software is available, a no new updates message appears on the screen. Select OK.
5	Terms of Service Agreement	<p>The Terms of Service Agreement screen appears.</p> <ul style="list-style-type: none">  The screen can take a few seconds to display. <p>The General Disclaimer screen appears. Select Agree. The Privacy Policy screen appears. Select Agree.</p> <ul style="list-style-type: none">  To use Smart Hub, you must select Agree for the Terms of Service Agreement.
6	Auto Program (1): Select where your TV signal comes from.	<p>Select the appropriate option for your TV using your remote, and then select Next.</p> <ul style="list-style-type: none"> • I use an aerial cable to connect to TV.: Select if you have an antenna or a cable connection without a set-top box. If you select this option, go to 7 - Auto Program (2) Step. • I use a set-top box.: Select if you have a satellite or cable set-top box. You do not need to run Auto Program. If you select this option, go to 9 - Clock on the next page.
7	Auto Program (2): Select the search options.	<ol style="list-style-type: none"> 1. Select Air or Cable using your remote. A check appears on your selection. When done, select Next. You can check both if you have both connected. 2. If you selected Air, go to 8 - Auto Program (3). 3. If you selected Cable, you'll go to the cable system screen. Select Digital Cable System. The option window appears. Select the correct cable signal format; STD, HRC, or IRC. Most cable systems use STD (Standard). Repeat the same process with Analog Cable System. 4. When done, select Next.

8	Auto Program (3): Channel memorization	<p>Channel memorization starts. Channel memorization can take up to 45 minutes, depending on your cable system.</p> <p>For more information, refer to Auto Program (Channel Menu → Memorizing Channels) in the e-Manual.</p> <p> Select Stop at any time to halt the memorization process.</p>
9	Clock: Set the Clock	<p>Select Auto or Manual, and then select Next.</p> <p> If you selected I have a set-top box. in 6 - Auto Program (1), you can only set the current time and date manually, using your remote.</p> <p>Auto</p> <p>If you selected Auto, the TV will automatically download the correct time from a digital channel. The Time Zone screen will appear. Select your Time Zone, and then select Next. The DST (Daylight Savings Time) screen will appear. The DST function sets the time ahead one hour to adjust the clock for Daylight Savings Time. Select On if you want to turn the DST adjustment on. Select Off to turn off the DST adjustment. You can also turn the DST function on through the TV's on screen menu (Menu → System → Time → Clock → DST).</p> <p>Manual</p> <p>If you selected Manual, you'll go to the Clock screen. Select Date or Time. You can set the current date and time using your remote. When done setting the Date and Time, select Next.</p>
10	Setup Complete	<p>Review the Setup data, and then select Close to finish.</p> <p> The completed settings are displayed.</p>

If You Want to Rerun Setup...

Menu → **System** → **Setup**

If You Want to Turn the Store Demo Mode On or Off.

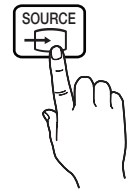
To set or unset **Store Demo** mode outside of **Setup**, press and release the Controller when the power is on. The Function menu screen appears. Push the Controller to the left (to **MENU** (III)) and hold for more than 5 seconds. The **Store Demo** mode is set. To cancel **Store Demo**, bring up the Function menu using the Controller, push the Controller to the right (to **Source** (→)) and hold for more than 5 seconds. See page 23 for information about the Controller.

Changing the Input Source





Source

 → **Source**


When you are watching TV and you want to watch a movie on your DVD player or Blu-ray player or switch to your cable box or STB satellite receiver, you need to change the Source.






■ TV / HDMI1/DVI / HDMI2 / HDMI3 / AV / Component

1. Press the  button on your remote. The **Smart Hub** screen appears.
 2. Select **Source**. The **Source** screen appears.
 3. Select a desired external input source.
-  Alternatively, you can access the **Source** screen by pressing the **SOURCE**  button on your remote.
 -  You can only choose external devices that are connected to the TV. In the displayed **Source** list, connected inputs are highlighted.

How to Use Edit Name

Edit Name lets you associate a device name to an input source. To access **Edit Name**, press the **TOOLS**  button on your remote when the **Source** list is displayed. The following selections appear under **Edit Name**:

- **VCR / DVD / Cable STB / Satellite STB / PVR STB / AV Receiver / Game / Camcorder / PC / DVI PC / DVI Devices / TV / IPTV / Blu-ray / HD DVD / DMA**: Select an input jack, and then select the name of the device connected to that jack from the list that appears. For example, if you have your Blu-ray player attached to **HDMI IN 2**, select **Blu-ray** for that input.
-  If you connect a PC to the **HDMI IN 1 (DVI)** port with an HDMI cable, assign **PC** to **HDMI1/DVI** in **Edit Name**.
-  If you connect a PC to the **HDMI IN 1 (DVI)** port with an HDMI to DVI cable, assign **DVI PC** to **HDMI1/DVI** in **Edit Name**.
-  If you connect an AV device to the **HDMI IN 1 (DVI)** port with an HDMI to DVI cable, assign **DVI Devices** to **HDMI1/DVI** in **Edit Name**.

Information

You can see detailed information about the selected external device.

Refresh

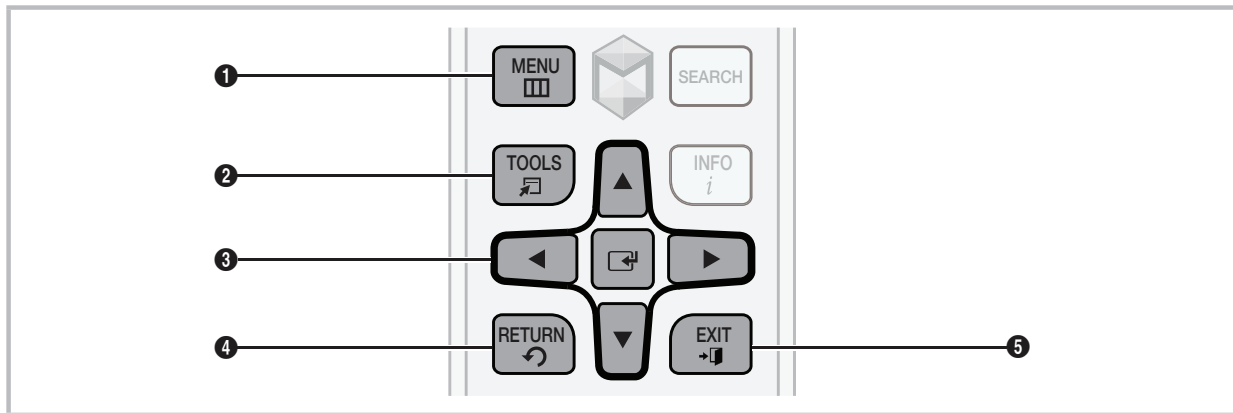
If the external devices are not displayed in the **Source** list, open the **Tools** menu, select **Refresh**, and then search for the connected devices.

-  Alternatively, you can refresh the **Source** list by pressing the **A** button on your remote.

How to Navigate Menus

Your TV's Main and Tools menu contains functions that let you control the TV's features. For example, in the Main menu you can change the size and configuration of the picture, its brightness, its contrast and so on. There are also functions that let you control the TV's sound, channel configuration, energy use, and a host of other features. To access the main, on-screen menu, press the **MENU** button on your remote. To access Tools menus, press the **TOOLS** button. Tools menus are available when the **TOOLS** menu icon is displayed on the bottom right of the screen

The illustration below displays the buttons on the remote you use to navigate the menus and select and adjust different functions.



- ❶ **MENU** button: Displays the main on-screen menu.
- ❷ **TOOLS** button: Displays the Tools menus when available.
- ❸ **Direction** buttons: Use the Direction buttons to move the cursor and highlight an item. Use the Enter button to select an item or confirm the setting.
- ❹ **RETURN** button: Returns to the previous menu.
- ❺ **EXIT** button: Exits the on-screen menu.

How to Operate the Main Menu (OSD - On Screen Display) Using the Remote

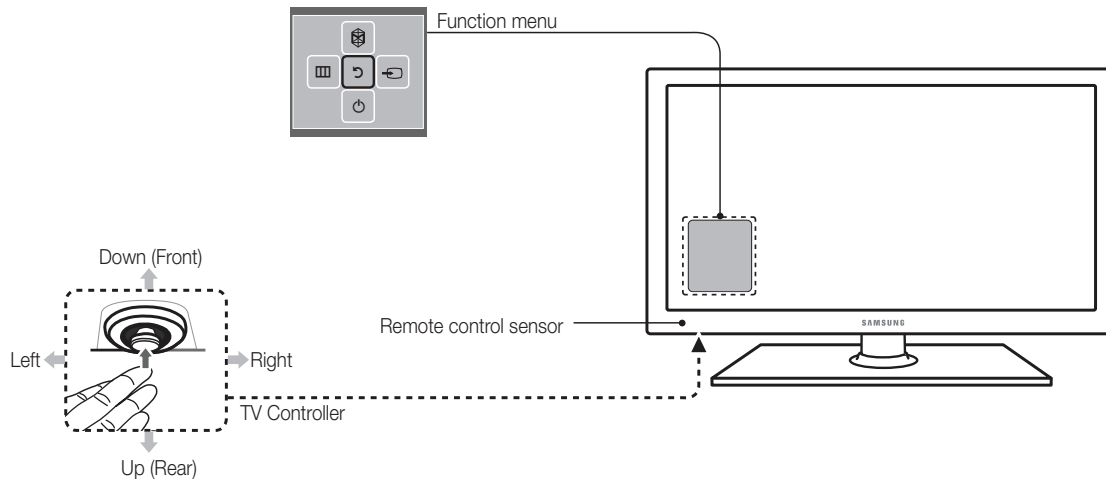
The access steps may differ depending on the menu option you select.

1	MENU	The main menu options appear on the screen: Picture, Sound, Channel, Network, System, Support.
2	▲ / ▼	Select a main menu option on the left side of the screen with the ▲ or ▼ button.
3	↵	Press ↵ to access the sub-menus.
4	▲ / ▼	Select the desired submenu with the ▲ or ▼ button.
5	▲ / ▼ / ◀ / ▶	Adjust the value of an item with the ◀, ▶, ▲, or ▼ button. The adjustment in the OSD may differ depending on the selected menu.
6	↵	Press ↵ to confirm the selection.
7	EXIT	Press EXIT .

Using the TV's Controller (Panel Key)

The TV's Controller, a small joy stick like button on the bottom left side of the TV, lets you control the TV without the remote control.

The product color and shape may vary depending on the model.



- Follow these instructions facing the front of your TV.
- When selecting the function by moving the controller to the up/down/left/right directions, be sure not to press the controller. If you press it first, you cannot operate it to move the up/down/left/right directions.

Power on	Turn the TV on by pressing the Controller when the TV is in standby mode.
Adjusting the volume	Adjust the volume by moving the Controller from side to side when the power is on.
Selecting a channel	Select a channel by moving the Controller backwards and forwards when the power is on.
Using the Function menu	To view and use the Function menu, press and release the Controller when the power is on. To close the Function menu, press and release the Controller again.
Selecting the SMART HUB (📺)	With the Function menu visible, select SMART HUB (📺) by moving the Controller backwards. The SMART HUB main screen appears. Select an application by moving the Controller, and then pressing the Controller.
Selecting the MENU (≡)	With the Function menu visible, select the MENU (≡) by moving the Controller to the left. The OSD (On Screen Display) Menu appears. Select an option by moving the Controller to the right. Move the Controller to the right or left, or backwards and forwards to make additional selections. To change a parameter, select it, and then press the Controller.
Selecting a Source (📺)	With the Function menu visible, open the Source (📺) list by moving the Controller to the right. The Source list screen appears. To select a source, move the Controller back and forth. When the source you want is highlighted, press the Controller.
Power Off (🔌)	With the Function menu visible, select Power Off (🔌) by moving the Controller forwards, and then press the Controller.

- To close the **Menu**, **Smart Hub**, or **Source**, press the Controller for more than 1 second.

Standby mode

Your TV enters Standby mode when you turn it off and continues to consume a small amount of electric power. To be safe and to decrease power consumption, do not leave your TV in standby mode for long periods of time (when you are away on vacation, for example). It is best to unplug the power cord.

Using Smart Hub

Smart Hub provides easy, on-screen access to five functions that let you manage and access channels, set favorite channels, access photos, videos, or music on USB devices, cameras, and PCs, select video sources, and set the TV to turn on automatically when a show you want to watch is on. The five functions are listed below:

- **Channel:** Lets you manage channels, select favorite channels, add channels to and delete channels from the **Added Ch.** list (the channels that appear when you press the **▼ CH ▲** button.)
- **Web Browser:** Lets you browse the Internet.
- **Schedule Manager:** Lets you schedule shows and channels for viewing.
- **Source:** Lets you select a connected external video source to view.
- **AllShare Play:** Lets you access, view, or play photos, videos, or music located on USB devices, digital cameras, cell phones, and PCs. PCs and cell phones can be accessed wirelessly, through your wireless network.

Smart Hub also provides an easy-to-use gateway to a host of on-line media and entertainment including apps from the Samsung Apps store, streaming videos and movies, kids sites, and more.

 To access **Smart Hub**, press the  button on your remote.

 For more information about **Smart Hub**, see the e-Manual.







Configuring Network Connections

After you have run the initial setup, you can configure or reconfigure the network connections through the TV's menu.

Configuring a Wireless Network Connection

The instructions below are for networks that use the Dynamic Host Configuration Protocol (DHCP) to configure network connections automatically. Most wireless networks use DHCP. If you have a Static IP network, see the e-Manual for configuration instructions.

To configure the network connection for a network that uses DHCP, follow these steps:

1. Connect your TV to your network as shown in the illustration on page 13.
2. Turn on your TV, and then go to the **Network Settings** screen. (**Menu** → **Network** → **Network Settings**)
3. Select **Start**. The Network function searches for available wireless networks. When done, it displays a list of the available networks.
4. In the list of networks, move the highlight to select a network, and then select **Next**.
 -  If you have a WPS(PBC) compatible router, select **WPS(PBC)** instead, and then follow the directions on the screen.
5. Enter your network security key or WPS PIN using your remote.
 -  Enter numbers and letters using your remote.
 - Enter numbers by pressing the number buttons on your remote.
 - To enter a letter, move the Highlight to the letter, and then select it. You can enter numbers in the same fashion if you choose.
 -  To display capital letters (or redisplay small letters if capital letters are displayed), select **Caps** or **Shift**.
 -  To display symbols and punctuation, select **★**. To redisplay letters, select **★** again.
6. When done, select **Next** if you have entered a security key or **WPS PIN** if you have entered a WPS PIN.
7. The TV checks the wireless connection. If the connection is successful, the “**You are connected to the Internet. If you have any problems using online services, please contact your Internet Service Provider.**” message appears. Select **Next** using your remote.
 -  For more detailed information, see “Setting up the Wireless Network” in the e-Manual.
 -  If you want to configure the connection manually, select **IP Settings** on the Network Connection screen. Set **IP Mode** to **Manual**, and then enter the **IP Address**, **Subnet Mask**, **Gateway**, and **DNS Server** manually.

Configuring a Wired Network Connection

Most home networks use the Dynamic Host Configuration Protocol (DHCP) to configure network connections. Home networks that support DHCP automatically provide the IP address, subnet mask, gateway, and DNS values your TV needs to access the Internet so you don't have to enter them manually. If you have a Static IP network, see your user's manual for configuration instructions.

To configure the network connection for a wired network that uses DHCP, follow these steps:

1. Connect your TV to your network as shown in one of the illustrations on page 14.
 2. Turn on your TV, and then go to the **Network Settings** screen. (**Menu** → **Network** → **Network Settings**)
 3. Select **Start**.
 4. The Network Connection screen appears, and verifies the network connection. When the connection has been verified, the "**You are connected to the Internet. If you have any problems using online services, please contact your Internet Service Provider.**" message appears. Network set up is completed.
- ✎ If your TV cannot acquire network the connection values automatically or if you want to set the connection manually, select **IP Settings** on the network connection screen. Set **IP Mode** to **Manual**, and then enter the **IP Address**, **Subnet Mask**, **Gateway**, and **DNS Server** manually.
 - ✎ For more detailed information, refer to "Setting up the Wired Network" in the e-Manual.

How to view the e-Manual



You can find instructions for your TV's features in the e-Manual. To open the e-Manual, press the **SUPPORT** button on your remote.

You can also access it through the menu:

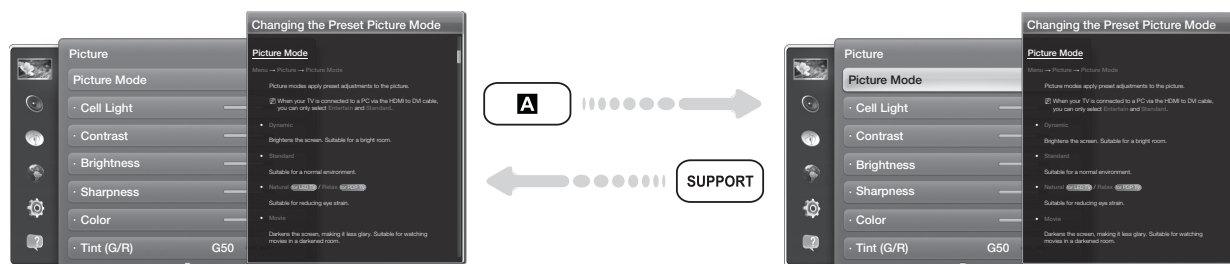
Menu → Support → e-Manual

Access the e-Manual

To use the e-Manual, follow these steps:

1. When you need to help, press the **SUPPORT** button on your remote. The **Support** screen appears.
 2. Select **e-Manual** using your remote. The **e-Manual** screen appears.
 3. Select a desired category.
 4. Select a desired topic. The e-Manual displays the page you want to see.
- 📎 Blue words in e-Manual signify menu options or selections on TV screen.
 - 📎 Green icons in the e-Manual signify a button on your remote.
 - 📎 Arrow steps (e.g. **Menu → Support → e-Manual**) in the e-Manual signify the sequence of steps required to access an option or activate a function.

How to toggle between an e-Manual topic and the corresponding OSD menu(s).





- 📎 This function is not enabled in some menus.
 - 📎 You can't use the **Try Now** function if the menu is not available.
1. To go to the topic's corresponding menu option, press the **A** button on your remote.
 2. To return to the e-Manual screen, press the **SUPPORT** button on your remote.

Using the colored and function buttons with the e-Manual

- **Scroll bar:** Scroll the e-Manual screen up or down.
- **◀ / ▶:** Moves to the previous or next chapter.
- **A Try Now:** Move to the OSD menu that corresponds to the topic. To return to the e-Manual screen, press the **SUPPORT** button on your remote.
- **B Home:** Moves to the e-Manual home screen.
- **C Position:** Each time you select **C**, you change the position of the e-Manual screen.
- **D Index:** Displays the Index screen.
- **↩ Return:** Return to the previous screen.

How to search for a topic on the index page

1. Select **D** using your remote. The Index screen appears.
2. To search for a topic, select a letter. The Index displays a list of topics and keywords that begin with the letter you selected.
3. Select a topic or keyword you want.
4. The e-Manual page with the topic appears.
 To close the **Index** screen, press the **RETURN**  button.

To Change the screen position of the e-Manual

If the e-Manual screen is not invisible well because the OSD Menus screen, you can change the e-Manual screen's position.


1. Move the Highlight to the e-Manual screen by pressing the **SUPPORT** button on your remote.
2. Press the **C** button on your remote. Each time you select **C**, the position of the e-Manual will change.


Troubleshooting


If the TV seems to have a problem, first review this list of possible problems and solution. Also review the Troubleshooting Section in the e-Manual. If none of the troubleshooting tips apply, visit www.samsung.com/support or call Samsung Customer Service at 1-800-SAMSUNG (1-800-726-7864).


Issues	Solutions and Explanations
Flickering and Dimming	<p>If your Samsung Television is flickering or dimming sporadically, you may need to disable some of its energy efficient features such as the Eco Sensor or the Energy Saving feature. Follow the steps below with your remote to turn these features off or on.</p> <ul style="list-style-type: none"> • Energy Saving: User Menu → System → Eco Solution → Energy Saving • Eco Sensor: User Menu → System → Eco Solution → Eco Sensor
Component Connections / Screen Color	<p>If you find that the color on your Samsung television's screen is not correct or black and white, first run a Self Diagnosis on the TV to make sure there are no device issues.</p> <ul style="list-style-type: none"> • Self Diagnosis: User Menu → Support → Self Diagnosis → Picture Test <p>If the problem does not appear in the Picture test, make sure:</p> <ul style="list-style-type: none"> • Your connections are all consistent. For example, if you've used the AV In jack on your TV, make sure you have used the AV Out jack on your video source. • You have connected your devices to the correct jacks. For example, if you use the Component jacks, labeled Pb, Pr, and Y, to connect your TV and video source, make sure you have connected the blue Pb jack on the video source to the blue Pb jack on the TV, and the yellow Y jack on the source to the yellow Y jack on the TV.
Screen Brightness	<p>If you find that the colors on your Samsung TV are correct but just a little too dark or bright, try adjusting the following settings in the Picture menu option of the Main menu:</p> <ul style="list-style-type: none"> • Cell Light, Contrast, Brightness, Sharpness, Color, Tint (G/R) and so on.

Issues	Solutions and Explanations
Unwanted Powering Off	<p>If your Samsung TV appears to turn off by itself, there may be an issue with either your Timer settings or your Eco friendly No Signal Power Off feature.</p> <p>First make sure Sleep Timer is not accidentally set. The Sleep Timer turns off the TV automatically after a certain period of time has passed.</p> <ul style="list-style-type: none"> • Sleep Timer: User Menu → System → Time → Sleep Timer <p>If the Sleep Timer is not activated, you may have engaged the No Signal Power Off or Auto Power Off feature.</p> <ul style="list-style-type: none"> • No Signal Power Off : User Menu → System → Eco Solution → No Signal Power Off • Auto Power Off: User Menu → System → Eco Solution → Auto Power Off
Trouble Powering On	<p>Before you turn the TV on, find the red light on the right or left bottom of your TV. Press the Power on button on the TV or remote. The light should blink about 5 times before the TV turns on.</p> <p>If you find that you are having trouble powering on your Samsung television, there are a number of things to check before making a call to the service department.</p> <ul style="list-style-type: none"> • If you happen to be using the TV as a monitor and the stand-by light only blinks for a few seconds when you press the power button, your PC is in sleep mode. To take your PC out of sleep mode, press a key on your keyboard or move the mouse. Then try turning your TV on. <p>If you're sure your power cord, remote control, and PC are functioning properly, you may be having a cable issue. If you have a cable or satellite box, your TV may appear to be off because the cable or satellite box is not outputting a signal. To test the signal output of your cable or satellite box, press the guide or info button on the cable or satellite box remote control. If the screen displays the guide or info data, the problem is caused by the box.</p>
Stand Assembly	<p>If you have any trouble assembling the stand, visit www.samsung.com/spsn and watch "2012 Stand Assembly" on the "Top 7 TV Troubleshooting Tips".</p>
Cannot Find a Channel	<p>Re-run Setup (Go to User Menu → System → Setup) or run Auto Program. (Go to User Menu → Channel → Auto Program).</p>

 For detailed troubleshooting information, watch the troubleshooting videos at www.samsung.com/spsn.

Issues	Solutions and Explanations
The TV won't turn on.	<ul style="list-style-type: none"> • Make sure the AC power cord is securely plugged in to the wall outlet and the TV. • Make sure the wall outlet is working. • Try pressing the  button on the TV to make sure the problem is not the remote. If the TV turns on, refer to "Remote control does not work" below.
There is no picture/video.	<ul style="list-style-type: none"> • Check the cable connections. Remove and reconnect all cables connected to the TV and external devices. • Set the video outputs of your external devices (Cable/Sat Box, DVD, Blu-ray etc) to match the TV's input connections. For example, if an external device's output is HDMI, it should be connected to an HDMI input on the TV. • Make sure your connected devices are powered on. • Be sure to select the correct input source • Reboot the connected device by unplugging it, and then reconnecting the device's power cable.
The remote control does not work.	<ul style="list-style-type: none"> • Replace the remote control batteries. Make sure the batteries are installed with their poles (+/-) in the correct direction. • Clean the sensor's transmission window on the remote. • Try pointing the remote directly at the TV from 5~6 feet away.
The cable/set top box remote control doesn't turn the TV on or off, or adjust the volume.	<ul style="list-style-type: none"> • Program the Cable/Set remote control to operate the TV. Refer to the Cable/Set-Top-Box user manual for the SAMSUNG TV code.

 Some functions and pictures shown in this manual are available on specific models only.

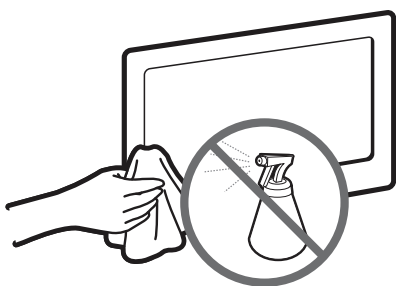
 To keep your TV in optimum condition, upgrade to the latest firmware on the Samsung web site by USB (samsung.com → Support → Downloads).

Licenses

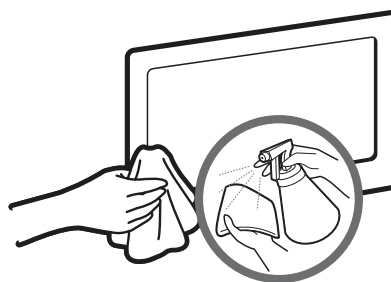


Storage and Maintenance

- ✎ If a sticker was attached to the TV screen, some debris can remain after you remove the sticker. Please clean the debris off before watching TV.
- ✎ The exterior and screen of the product can get scratched during cleaning. Be sure to wipe the exterior and screen carefully using the cloth provided or a soft cloth to prevent scratches.



Do not spray water directly onto the product. Any liquid that goes into the product may cause a failure, fire, or electric shock.



Clean the product with a soft cloth dampened with a small amount of water. Do not use a flammable liquid (e.g. benzene, thinners) or a cleaning agent.

Securing the TV to the Wall



Caution: Pulling, pushing, or climbing on the TV may cause the TV to fall. In particular, ensure your children do not hang over or destabilize the TV. Doing so may cause the TV to tip over, causing serious injuries or death. Follow all safety precautions provided in the Safety Flyer included with your TV. For added stability and safety, you can purchase and install the anti-fall device as described below.

The TV-Holder Kit (Sold Separately):

The parts below are included in the TV Holder kit. In addition, you need to provide a wood screw, screw and molly, or other screw appropriate for the wall or cabinet you intend to secure the TV-Holder string to. We recommend a size M4xL20 wood screw.



TV-Holder (BN96-15753A)

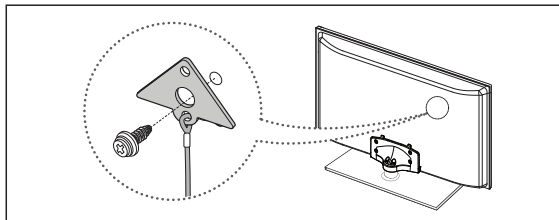


Screw (M8 X L19)


Installing the TV-Holder

1. Remove the screw attached to the back of your TV, and then connect the TV-Holder to the TV with the screw included in the TV-Holder Kit that is designated for your TV.

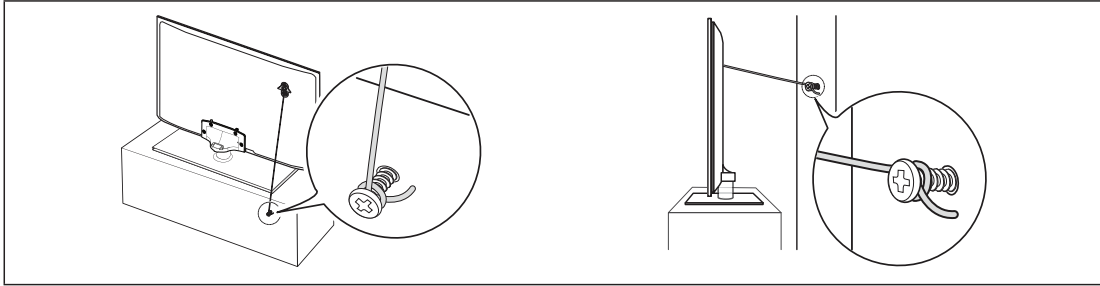
 Make sure to use only the appropriate supplied screw. If you use a different screw, you can damage your TV.



2. Firmly fasten the screw you provided (size M4xL20 or similar) to the wall or cabinet where the TV is to be installed.

 If you fasten the screw to the wall, we recommend you drive the screw into a stud. If that is not possible, use a molly to anchor the screw.

3. Tie the TV-Holder cord to the screw fastened to the wall or cabinet so that the TV is fixed. See the illustrations below.
- ✎ Install the TV close to the wall so that it does not fall.
 - ✎ When attaching the TV-Holder cord to the wall, tie the cord level with the ground or slanted downwards for safety purposes.
 - ✎ Check the cord occasionally to make sure it is secure.
 - ✎ Before moving the TV, separate the connected cord first.








4. Verify all connections are properly secured. Periodically check the connections for any sign of fatigue or failure. If you have any doubt about the security of your connections, contact a professional installer.

To purchase the TV-Holder Kit, contact Samsung Customer Care

- In the United States: 1-800-SAMSUNG (1-800-726-7864)
- In Canada: 1-800-SAMSUNG (1-800-726-7864)

Specifications

Display Resolution	1920 x 1080	
Environmental Considerations		
Operating Temperature	50°F to 104°F (10°C to 40°C)	
Operating Humidity	10% to 80%, non-condensing	
Storage Temperature	-4°F to 113°F (-20°C to 45°C)	
Storage Humidity	5% to 95%, non-condensing	
Stand Swivel (Left / Right)	-20° ~ 20°	
Model Name	PN51E550	PN60E550
Screen Size (Diagonal)	51" Class (50.7" measured diagonally)	60" Class (60.0" measured diagonally)
Sound (Output)	10 W X 2	
Dimensions (W x H x D) Body	47.1 x 28.1 x 2.2 inches (1196.8 x 715.6 x 57.0 mm)	55.0 x 32.9 x 2.2 inches (1398.3 x 836.2 x 57.0 mm)
With stand	47.1 x 31.0 x 12.0 inches (1196.8 x 787.4 x 305.0 mm)	55.0 x 35.9 x 13.1 inches (1398.3 x 913.0 x 335.0 mm)
Weight Without Stand	46.5 lbs (21.1 kg)	66.1 lbs (30.0 kg)
With Stand	55.3 lbs (25.1 kg)	77.3 lbs (35.1 kg)
Model Name	PN64E550	
Screen Size (Diagonal)	64" Class (64.0" measured diagonally)	
Sound (Output)	10 W X 2	
Dimensions (W x H x D) Body	58.6 x 34.8 x 2.2 inches (1488.8 x 885.8 x 57.0 mm)	
With stand	58.6 x 37.8 x 13.1 inches (1488.8 x 960.2 x 335.0 mm)	
Weight Without Stand	79.8 lbs (36.2 kg)	
With Stand	91.0 lbs (41.3 kg)	

-  Design and specifications are subject to change without prior notice.
-  The actual appearance of the TV may differ from the images in this manual, depending on the model.
-  This device is a Class B digital apparatus.
-  For information about the power supply, and more about power consumption, refer to the label attached to the product.
-  Typical power consumption is measured according to Energy Star Program requirements for Televisions.

Dispose unwanted electronics through an approved recycler.

To find the nearest recycling location, go to our website:

www.samsung.com/recyclingdirect or call, (877) 278 - 0799

Display Resolution

If you have attached the TV to your PC, you can select one of the standard resolutions listed in the Resolution column. The TV will automatically adjust to the resolution you choose.

Mode	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H / V)
IBM	640 x 350	31.469	70.086	25.175	+/-
	720 x 400	31.469	70.087	28.322	-/+
MAC	640 x 480	35.000	66.667	30.240	-/-
	832 x 624	49.726	74.551	57.284	-/-
	1152 x 870	68.681	75.062	100.000	-/-
VESA DMT	640 x 480	31.469	59.940	25.175	-/-
	640 x 480	37.861	72.809	31.500	-/-
	640 x 480	37.500	75.000	31.500	-/-
	800 x 600	37.879	60.317	40.000	+/+
	800 x 600	48.077	72.188	50.000	+/+
	800 x 600	46.875	75.000	49.500	+/+
	1024 x 768	48.363	60.004	65.000	-/-
	1024 x 768	56.476	70.069	75.000	-/-
	1024 x 768	60.023	75.029	78.750	+/+
	1152 x 864	67.500	75.000	108.000	+/+
	1280 x 720	45.000	60.000	74.250	+/+
	1280 x 800	49.702	59.810	83.500	-/+
	1280 x 1024	63.981	60.020	108.000	+/+
	1280 x 1024	79.976	75.025	135.000	+/+
	1366 x 768	47.712	59.790	85.500	+/+
	1440 x 900	55.935	59.887	106.500	-/+
	1600 x 900RB	60.000	60.000	108.000	+/+
	1680 x 1050	65.290	59.954	146.250	-/+
	1920 x 1080	67.500	60.000	148.500	+/+

NOTE

- The interlaced mode is not supported.
- The set might operate abnormally if you select a non-standard video format.
- Separate and Composite modes are supported. SOG (Sync On Green) is not supported.

Video Codec

File Extension	Container	Video Codec	Resolution	Frame rate (fps)	Bit rate (Mbps)	Audio Codec		
*.avi	AVI MKV ASF MP4 3GP VRO 3GP VRO VOB PS TS WebM	DIVX 3.11/4.x/5.x/6.1	1920 x 1080	6 – 30	30	AC3 LPCM ADMPCM(IMA, MS) AAC HE-AAC WMA DD+ MPEG(MP3) DTS Core Voris		
*.mkv		MPEG4 SP/ASP						
*.asf		H.264 BP/MP/HP						
*.wmv		Motion JPEG	640 x 480					
*.mp4								
*.3gp		Window Media Video v9	1920 x 1080		30			
*.vro								
*.mpg								
*.mpeg								
*.ts		MPEG2						
*.tp		MPEG1						
*.trp		VP8						
*.m2ts		VP6	640 x 480		4			
*.mts								
*.webm								
*.divx								

Other Restriction

- Video content will not play, or not play correctly, if there is an error in the content or the container.
- Sound or video may not work if the contents have a standard bit rate/frame rate above the compatible Frame/sec listed in the table above.
- If the Index Table is in error, the Seek (Jump) function is not supported.
- When you play video over a network connection, the video may not be played smoothly.
- The menu may take longer to appear if the video's bit rate exceeds 10Mbps.
- Some USB/digital camera devices may not be compatible with the player.

Video decoder

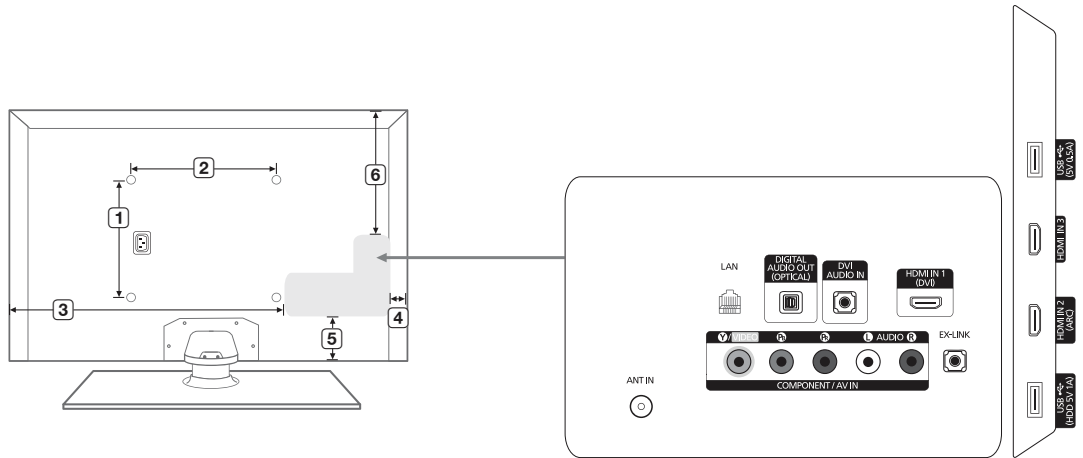
- Supports up to H.264, Level 4.1.
- H.264 FMO / ASO / RS, VC1 SP / MP / AP L4 and AVCHD are not supported.
- For all Video codecs except MVC, VP8, VP6:
 - Below 1280 x 720: 60 frame max
 - Above 1280 x 720: 30 frame max
 - GMC is not supported.
- Supports only SVAFF Top/Bottom and Side by Side.
- Supports only BD MVC Spec.

Audio decoder

- WMA 9, 10 Pro supports up to 5.1 channel and M2 profile (except LBR mode of M0).
- WMA lossless audio is not supported.
- If Vorbis is only in Webm container, supports up to 2 channel.

Dimensions

■ Jack panel detail / Rear view



(Unit: inches)

Model name	1	2	3	4	5	6
PN51E550	15.7	15.7	36.3	3.9	4.8	18.8
PN60E550	15.7	23.6	40.7	7.5	7.9	20.5
PN64E550	15.7	23.6	42.4	9.2	8.9	21.4

NOTE: All drawings are not necessarily to scale. Some dimensions are subject to change without prior notice. Refer to the dimensions prior to performing installation of your TV. Not responsible for typographical or printed errors.

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**Contact SAMSUNG WORLDWIDE**

If you have any questions or comments about your Samsung TV, please contact the SAMSUNG customer care center.

Country	Customer Care Center ☎	Web Site	Address
CANADA	1-800-SAMSUNG (726-7864)	www.samsung.com	Samsung Electronics Canada Inc., Customer Service 55 Standish Court Mississauga, Ontario L5R 4B2 Canada
U.S.A	1-800-SAMSUNG (726-7864)	www.samsung.com	Samsung Electronics America, Inc. 85 Challenger Road Ridgefield Park, NJ 07660

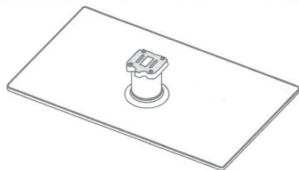
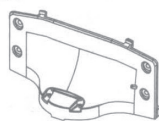


STOP**Assemble Stand before removing TV from shipping box**

Installing the TV Stand

Components

When installing the stand, use the provided components and parts.

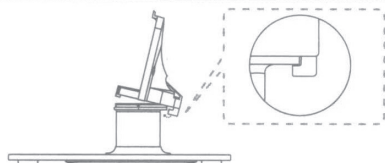
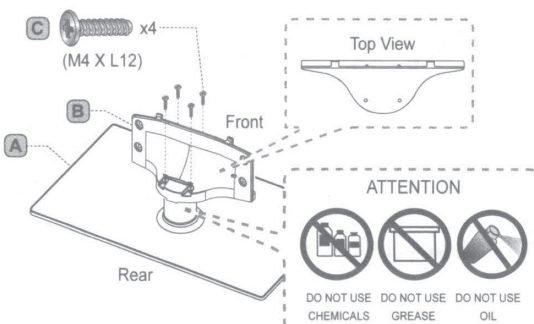
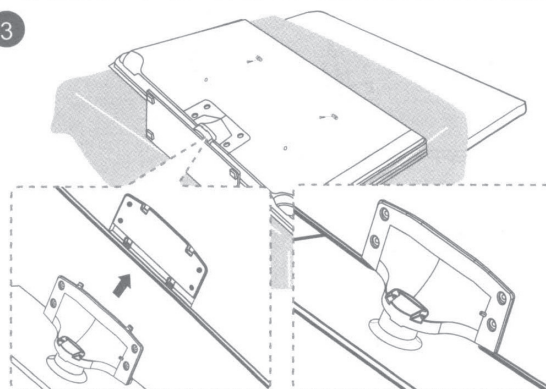
A 1 EA**B** 1 EA**C**

x8 (M4 X L12)

Stand (depending on the model)

Guide Stand

Screws

1**2****3**

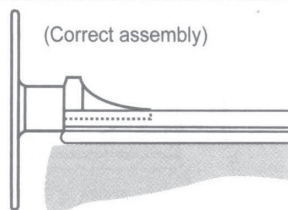
Place a soft cloth over the table to protect the TV, and then place the TV on the cloth screen side down.

Insert the Stand Guide into the slot of TV bottom side.

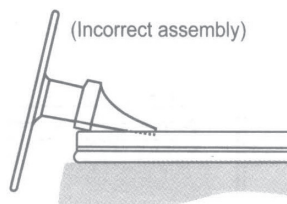
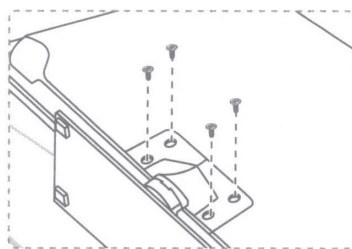
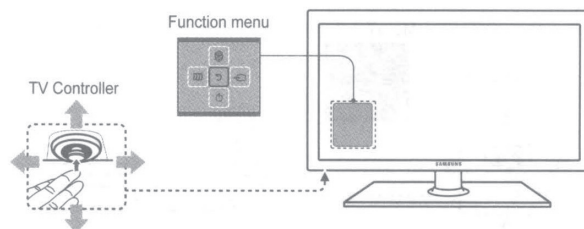
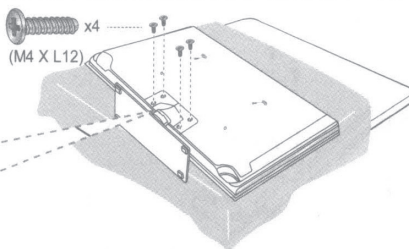
4

Side View

(Correct assembly)



(Incorrect assembly)

**5****C** x4 (M4 X L12)

Caution



- Make sure to distinguish between the front and back of each component when assembling them.
- Make sure that at least two persons lift and move the TV.



BN68-04016A-01



BN68-04016A-01

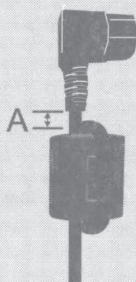
Ferrite Core / Tore de ferrite

PN51E550 / PN51E6500 /
PN60E550 / PN64E550

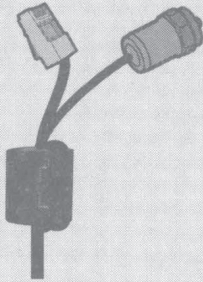


(3301-002049) (2EA)

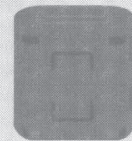
1



2

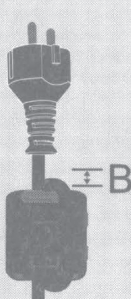
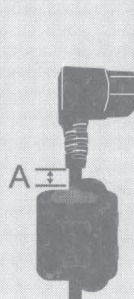


PN60E6500

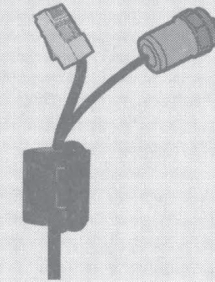




(3301-002049) (2EA) (3301-002052) (1EA)

1



2



	English	Français
1	<p>Power Cord</p> <p>The ferrite cores are used to shield the cables from interference. When connecting the ferrite core to a cable, open the ferrite core and clip it around the cable near the plug as shown in the figure.</p> <ul style="list-style-type: none"> • A Maximum distance between the ferrite core and the end of the cord inserted in the TV: 3/4 inches (20mm) • B Maximum distance between the ferrite core and the other end of the cord inserted in the AC outlet: 3/4 inches (20mm) 	<p>Cordon d'alimentation</p> <p>Les tores de ferrite protègent les cordons contre les interférences. Pour fixer le tore de ferrite à un cordon, ouvrez le tore et placez-le autour du cordon, près de la fiche, conformément à l'illustration.</p> <ul style="list-style-type: none"> • A Distance maximale entre le tore magnétique et l'extrémité du câble branché au téléviseur : 3/4 pouces (20mm) • B Distance maximale entre le tore de ferrite et l'extrémité du câble branché à la prise de courant : 3/4 pouces (20mm)
2	<p>Antenna Cable / LAN Cable (sold separately)</p> <p>The ferrite cores are used to shield the cables from interference. When connecting a cable, open the ferrite core and clip it around the cable near the plug as shown in the figure.</p> <p> Use Cat 5(*STP Type) cable for LAN cable. (*Shield Twist Pair)</p>	<p>Câble d'antenne / câble LAN (vendu séparément)</p> <p>Les tores de ferrite protègent les cordons contre les interférences. Lorsque vous branchez un câble, ouvrez le tore de ferrite et fixez-le autour du câble, près de la fiche, conformément à l'illustration.</p> <p> Utilisez un câble Cat 5 (de type *STP) pour un câble LAN. (*paire torsadée blindée)</p>



BN68-04189E-00

3D Active Glasses

SSG-4100GB

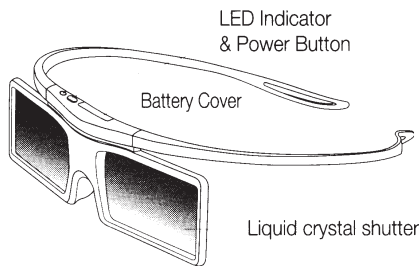
User's Guide

Features

The SSG-4100 GB 3D glasses enable you to view 3D images. The Samsung 3D glasses communicate with Samsung 3D TVs via the 2.4GHz RF band.

- The Samsung 3D glasses can be used only with for all 2011 and 2012 Samsung D,E and ES series 3D TV, or a 3D TV product with the **FULL HD 3D GLASSES** or **FULL HD 3D GLASSES** logo on it, and can't be used with any other wireless communication products.
- The "Full HD 3D Glasses™" Logo signifies compatibility between display products and 3D Glasses that are compliant with the "Full HD 3D Glasses™" format and does not indicate the picture quality of the 3D images visible using the glasses, which depends on the quality of the display products.

Parts



Components

3D Active glasses
(Frame body, Temples)

Button Battery
(CR2025)

※ For information on how to attach the temples and pairing method of the glasses, refer to page 11.

Pairing 3D Active Glasses

- What is Pairing?** Pairing is a process of connecting 3D glasses and a 3D TV so that the two devices can exchange data.
- Ensure your Samsung TV and 3D glasses are no farther than 19.5 in (50 cm) apart from each another while pairing is in progress.

- ◆ **Turning the glasses on**
Press the power button briefly. The green LED is turned on for 3 seconds. (Make sure that 3D is activated on the TV before using the 3D glasses.)
- ◆ **Turning the glasses off**
Press the power button briefly. The red LED is turned on for 3 seconds.
- ◆ **Performing the pairing process.**
The green and red LEDs will blink for 2 seconds if pairing is in progress.

◆ **Operating range**

Recommended pairing distance

Recommended viewing distance

Recommended viewing distance	2~6m (6 to 19.5 ft)
Recommended pairing distance	50 cm or less (19.5 in)

- The working distance depends on obstacles (a person, metal, walls, etc.) or electromagnetic waves.
- Turn off the 3D glasses while they are not in use. If you leave the 3D glasses on, the battery lifespan decreases.

◆ Pairing steps

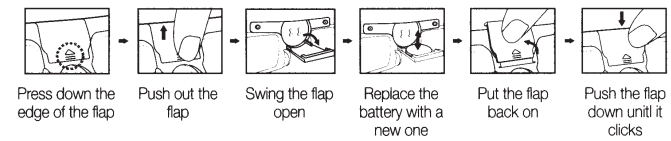
- Turn on the TV, and then move the glasses within 19.5 inches of the TV.
- Press the power button on the 3D glasses briefly. The 3D glasses will power on and pairing will start.
- The message "3D glasses are connected to TV." will be displayed on the TV screen when the pairing is successfully completed.
 - If the pairing failed, the 3D glasses will power off.
 - If the first attempt to pair fails, power the TV off and on again and perform step 2.
 - **How to pair again:** Press the power button on the 3D glasses for more than 1 seconds.

<Pairing is needed again in the following situations:>

- If the 3D glasses do not function even when the power button is pressed on the 3D TV after repair.
- If you want to view a 3D video on a different for all 2011 and 2012 Samsung D,E and ES series 3D TV.

◆ Replacing the Batteries

If the red LED blinks every two seconds continually, replace the batteries with new ones.



✎ Please insert the battery in the same direction as indicated.

◆ Viewing guidelines

- When viewing a 3D video under a fluorescent lamp (50 Hz – 60 Hz) or 3-wavelength lamp, you may notice a small amount of screen flickering.
 - ※ If this occurs, dim or turn off the light.
- Switching the input mode while watching a 3D movie may disable the 3D function on the TV. As a result, the 3D glasses may not function and the movie may not be displayed properly.
- If the 3D glasses are moved outside of their working distance, the signal from the TV will disconnect and the glasses' 3D function will turn off after several seconds. The 3D glasses will power off 30 seconds after the 3D function turns off. When this happens, the red LED will turn on for 3 seconds.
 - ※ Under some circumstances, the 3D glasses may malfunction due to interference from other devices.
- Ensure you are within the working distance of the glasses when you view a 3D video.
 - ※ The images may not be viewable in 3D if you move outside of the working distance for 3 seconds.
- If you lie on your side while watching TV with 3D active glasses, the picture may appear dark or may not be visible.
- The 3D glasses may not work properly due to interference from other 3D products or electronic devices that operate on the 2.4GHz frequency such as a microwave oven or Internet AP. If the 3D function malfunctions due to interference, please move all other electronic or wireless communication devices as far away from the glasses and the TV as possible.
- The 3D effect may be experienced differently depending on the viewer. You may not notice the 3D effect at all if you wear glasses and have an unusual prescription.
- If a part of the 3D glasses or lenses is defective or damaged, it cannot be repaired and the glasses should be replaced. If the glasses stop working within the warranty period, the glasses can be repaired or replaced for free. If the glasses have been damaged due to the fault of the customer or the warranty period has expired, a new pair of glasses will have to be purchased.

CAUTION

IMPORTANT HEALTH AND SAFETY INFORMATION FOR 3D IMAGES. READ THE FOLLOWING CAUTIONS BEFORE YOU OR YOUR CHILD USE THE 3D FUNCTION.

- Adults should frequently check on children who are using the 3D function. If there are any complaints of tired eyes, headaches, dizziness or nausea, stop the child from viewing the 3D TV and ensure that they rest.
- Do not use the 3D glasses for other purposes such as general wear, sunglasses, protective goggles, etc.
- Some viewers may experience discomfort such as dizziness, nausea and headaches while viewing 3D TV. If you experience any of these symptoms, stop viewing the 3D TV, remove the 3D glasses and rest for awhile.
- Watching 3D pictures for an extended period of time may cause eye strain. If you experience any eye strain, stop viewing the 3D TV, remove the 3D glasses and rest for awhile.
- Do not use the 3D function or 3D glasses while walking or moving around. Using the 3D function or 3D Active Glasses while moving around may result in injury from running into objects, tripping, and/or falling.

SAFETY PRECAUTIONS

The following safety instructions are to ensure your personal safety and prevent property damage. Please read them to ensure the proper use of the product.

- Do not place the product in a location exposed to direct sunlight, heat, fire or water. This may result in a product malfunction or fire.
- Do not apply force to the lenses of the 3D glasses. Do not drop or bend the product. This may result in a product malfunction.
- Use only the specified standard batteries. When replacing the battery, insert the battery so that its polarity (+, -) is correct. Failing to do so may damage the battery or result in fire, personal injury or environmental damage caused by liquid leaking from the battery.
- Keep the used battery out of the reach of children so that they do not accidentally swallow the battery. If your child has swallowed the battery, consult your doctor immediately.
- When cleaning the product, do not spray water or cleaner directly onto the surface of the product. Spraying water or cleaner directly onto the glasses may result in fire or electric shock, damage to the product's surface, or cause the indicator labels on the product's surface to come loose.
- Do not use chemicals containing alcohol, solvents, or surfactants, or chemicals such as wax, benzene, thinner, mosquito repellent, lubricant or cleaners. These may cause a discoloration of or cracks in the product surface and cause the indicator labels on the product's surface to come loose.
- Since the product surface and lens are easily scratched, make sure to use a clean soft cloth when cleaning to avoid scratching either the surface or the lens. As the product may become scratched if there are any foreign items on the cloth, make sure to shake off any dust before using it.
- Never disassemble, repair, or modify the 3D glasses yourself. Do not use the glasses when they are out of order or broken.
- Take care that you do not injure your eyes with the edges of the frame of the 3D glasses when wearing them.

Troubleshooting

If you encounter...	Try this...
My 3D glasses do not work.	<ul style="list-style-type: none">➢ Replace the battery.➢ The 3D glasses should be close to the TV. Make sure that the distance between the TV and your 3D glasses is less than 19.68 feet (6m) in a straight line.➢ Check the 3D function settings of your TV.
The LED keeps blinking	<ul style="list-style-type: none">➢ The battery is dead. Replace the battery.

Specifications (Model Number: SSG-4100GB)

Optics	Shutters	Liquid crystal	Transmittance	37±2%
	Recommended viewing distance	2~6m (6.5 to 19.68 ft)	Field Rate	120 fields/s
Weight	Glasses	20.7g (including the battery: 23±0.5g)		
Power	Glasses	One 3V lithium/manganese dioxide battery 3V(CR2025)		
Power Consumption	Glasses	0.85mA (Average)		
	Battery	Type	165mAh, 3.0V (CR2025)	
		Operating time when On	150hours	
Operating Conditions	Operating Temperature	50 °F ~ 104 °F (10°C ~ 40°C)		
	Custody Temperature	-4 °F ~ 113 °F (-20°C ~ 45°C)		

- ⚠ Product specifications may be changed without notice in order to enhance product performance.
- ⚠ The continuous operating time may differ depending on the wireless communication environment and usage conditions.

WARRANTY

This Samsung product is warranted for the period of twelve (12) months from the original date of purchase, against defective materials and workmanship. In the event that warranty service is required, you should first return the product to the retailer from whom it was purchased. However, Samsung Authorized Service Centres will comply with this warranty during the Warranty Period. To obtain details, please contact your nearest Authorized Service Centre.

PROCEDURE FOR MAKING A WARRANTY CLAIM

To make a claim under the warranty, you must contact the Samsung Contact Centre (see details above) during the Warranty Period to discuss the problems you are having with the product. If a repair or replacement is required, you will be provided with a Warranty Claim Number and address of an Authorised Service Centre. If you are provided with a Warranty Claim Number, to obtain a repair or replacement of the product, you must send the product to the Authorised Service Centre advised together with:

- a copy of your completed warranty card or, if you have already provided this to Samsung, your name, address and contact telephone number;
- your original receipt, invoice or sales slip for the purchase of the product as new;
- your Warranty Claim Number.
Samsung will then repair or replace the product and return it to you using the contact details provided.

WARRANTY CONDITIONS

1. The warranty is only valid if the above procedure for making a warranty claim is followed.
2. Samsung's obligations are limited to the repair or, at its discretion, replacement of the product or the defective part.
3. Warranty repairs must be carried out by Samsung Authorised Service Centres. No re-imbursement will be made for repairs carried out by service centres or dealers that are not authorised by Samsung and any such repair work and damage to the products caused by such repair work will not be covered by this warranty.
4. This product is not considered to be defective in materials nor workmanship by reason that it requires adaptation in order to conform to national or local technical or safety standards in force in any country other than the one for which the product was originally designed and manufactured. This warranty will not cover, and no re-imbursement will be made for such adaptation, nor any damage which may result.
5. The warranty does not apply to any product that has been damaged or rendered defective as a result of any of the following excluded reasons, namely:
 - as a result of accident, misuse, or abuse;
 - through the failure to use this product for its normal purposes;
 - by the use of parts not manufactured or sold by Samsung;
 - by modification without the written permission of Samsung;
 - by damage resulting from transit, neglect, power surge or failure;
 - by damage resulting from lightning, water, fire, or acts of God;
 - as a result of normal wear and tear; or
 - difference in broadcasting methods or product standards between countries.
6. This warranty is valid for any person who legally acquired possession of the product during the warranty period.
7. NOTHING IN THESE WARRANTY CONDITIONS SHALL EXCLUDE OR LIMIT SAMSUNG'S LIABILITY FOR DEATH OR PERSONAL INJURY CAUSED BY THE PROVEN NEGLIGENCE OF SAMSUNG, UNLESS SUCH LIMITATION OR EXCLUSION IS PERMITTED BY APPLICABLE LAW.
8. WITH THE EXCEPTION OF SAMSUNG'S LIABILITY WHICH CANNOT BE EXCLUDED OR LIMITED BY LAW, SAMSUNG SHALL NOT BE LIABLE FOR: ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES LOSSES OR EXPENSES; OR LOST PROFITS; OR LOSS OF USE OR LOSS OF DATA; OR DAMAGE TO GOODWILL, REPUTATION OR LOST BUSINESS, ARISING DIRECTLY OR INDIRECTLY, FROM THE PURCHASE, USE OR SALE OF THE PRODUCT, WHETHER OR NOT SAMSUNG WAS ADVISED OR AWARE OF THE POSSIBILITY OF SUCH DAMAGES, LOSSES OR EXPENSES.
9. WITH THE EXCEPTION OF SAMSUNG'S LIABILITY WHICH CANNOT BE EXCLUDED OR LIMITED BY LAW, SAMSUNG'S LIABILITY UNDER OR IN CONNECTION WITH THIS WARRANTY OR THE PURCHASE, USE OR SALE OF THE PRODUCT SHALL NOT EXCEED THE PRICE PAID FOR THE PRODUCT AS NEW.
10. UNLESS PROVIDED FOR IN THIS WARRANTY, ALL CONDITIONS, WARRANTIES AND TERMS IMPLIED BY STATUTE OR OTHERWISE ARE HEREBY EXCLUDED TO THE MAXIMUM EXTENT PERMISSIBLE BY LAW.
11. The above warranty conditions do not affect your statutory rights as a consumer or otherwise.

Regulatory Compliance Statements

◆NCC Taiwan

低功率電波輻射性電機管理辦法

第十二條 經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十四條 低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應改善至無干擾時方得繼續使用。前項合法通信，指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

◆FCC COMPLIANCE

Federal Communication Commission Interference Statement

- 1) Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- 2) NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
 - Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

◆IC Statement

This Class B digital apparatus complies with Canadian ICES-003.

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

Italian Homologation Notice

Questo apparecchio è fabbricato in conformità al D.M.28.08.95 n.548 ed in particolare a quanto specificato nell'Art.2, comma 1.

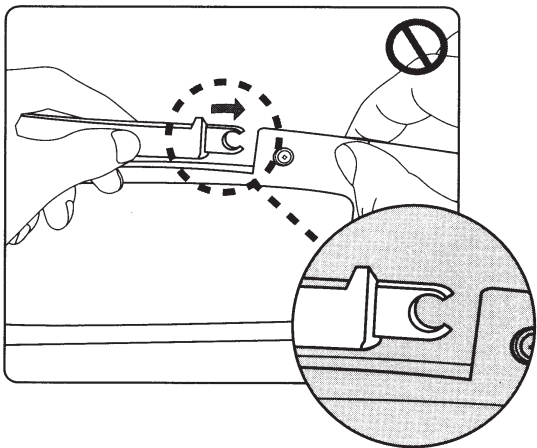
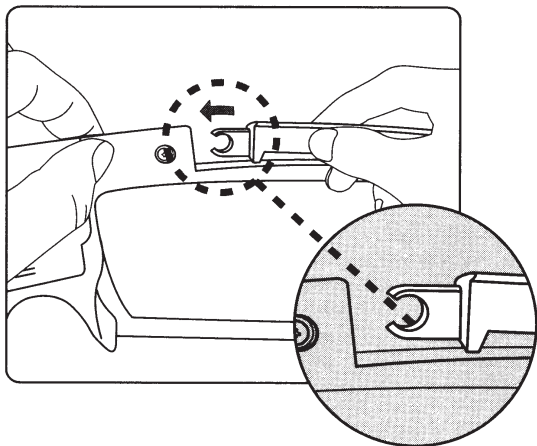
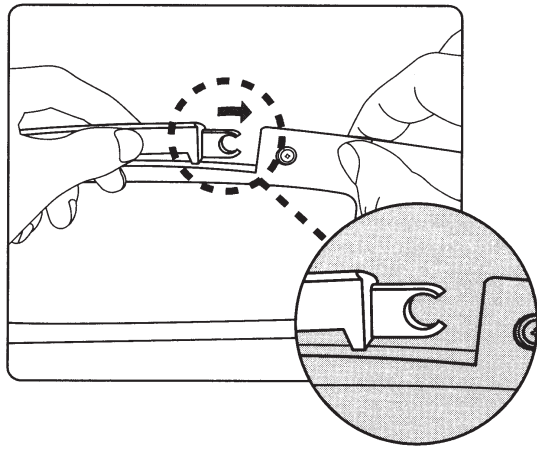
Questo apparecchio è fabbricato nella U.E. in conformità al D.M.28.08.95 n.548 Art.2, comma 1 ed al D.M.26.03.92 Art.1

– For products produced in countries except European Community
Questo apparecchio è fabbricato in conformità al D.M.28.08.95 n.548 ed in particolare a quanto specificato nell'Art.2, comma 1.

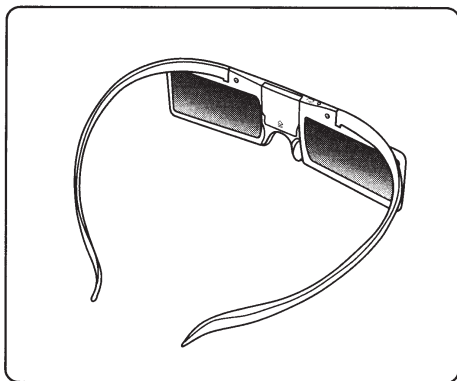
– For products produced in European Community
Questo apparecchio è fabbricato nella U.E. in conformità al D.M.28.08.95 n.548 Art.2, comma 1 ed al D.M.26.03.92 Art.1



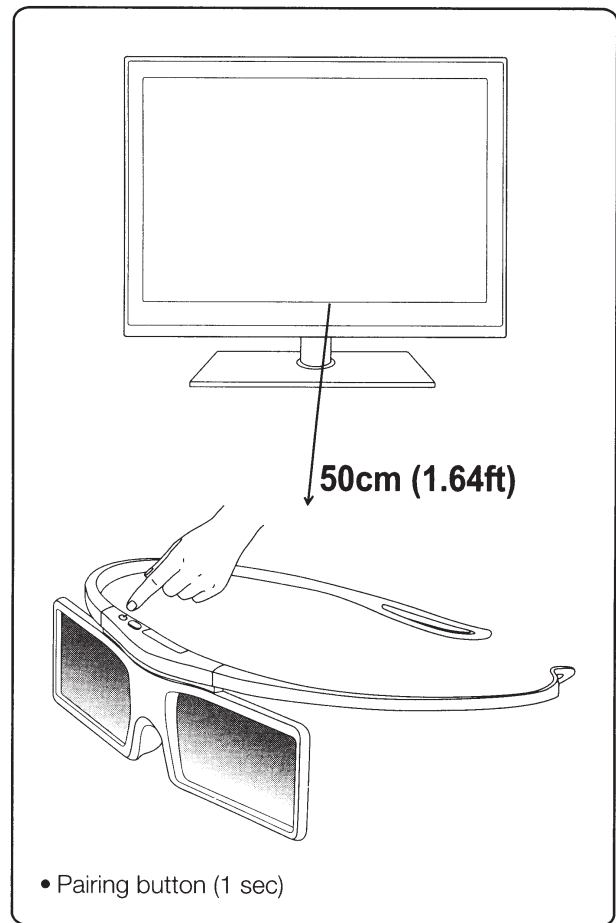
• Attaching the temples



• Assembly complete



◆ Pairing



Contact SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care center.

Region	Contact Center ☎	Web Site
North America	CANADA 1-800-SAMSUNG(726-7864)	www.samsung.com www.samsung.com/ca_fr (French)
	MEXICO 01-800-SAMSUNG(726-7864)	www.samsung.com
	U.S.A 1-800-SAMSUNG(726-7864)	www.samsung.com
Latin America	ARGENTINE 0800-333-3733	www.samsung.com
	BRAZIL 0800-124-421, 4004-0000	www.samsung.com
	CHILE 800-SAMSUNG(726-7864), From mobile 02-482 82 00	www.samsung.com
	BOLIVIA 800-10-7260	www.samsung.com
	COLOMBIA 01-8000112112	www.samsung.com
	COSTA RICA 0-800-507-7267	www.samsung.com
	DOMINICA 1-800-751-2676	www.samsung.com
	ECUADOR 1-800-10-7267	www.samsung.com
	EL SALVADOR 800-6225	www.samsung.com
	GUATEMALA 1-800-299-0013	www.samsung.com
	HONDURAS 800-27919267	www.samsung.com
	JAMAICA 1-800-234-7267	www.samsung.com
	NICARAGUA 00-1800-5077267	www.samsung.com
	PANAMA 800-7267	www.samsung.com
	PERU 0-800-777-08	www.samsung.com
	PUERTO RICO 1-800-682-3180	www.samsung.com
	TRINIDAD & TOBAGO 1-800-SAMSUNG(726-7864)	www.samsung.com
CIS	VENEZUELA 0-800-100-5303	www.samsung.com
	RUSSIA 8-800-555-55-55	www.samsung.com
	GEORGIA 8-800-555-555	-
	ARMENIA 0-800-05-555	-
	AZERBAIJAN 088-55-55-555	-
	KAZAKHSTAN 8-10-800-500-55-500(GSM: 7799)	www.samsung.com
	UZBEKISTAN 8-10-800-500-55-500	www.samsung.com
	KYRGYZSTAN 00-800-500-55-500	www.samsung.com
	TADJIKISTAN 8-10-800-500-55-500	www.samsung.com
	MONGOLIA	
	UKRAINE 0-800-502-000	www.samsung.com/ua www.samsung.com/ua_ru
	BELARUS 810-800-500-55-500	-
	MOLDOVA 00-800-500-55-500	-
Asia Pacific	AUSTRALIA 1300 362 603	www.samsung.com
	NEW ZEALAND 0800 SAMSUNG (0800 726 786)	www.samsung.com
	CHINA 400-810-5858	www.samsung.com
	HONG KONG (852) 3698 4698	www.samsung.com/hk www.samsung.com/hk_en/
	INDIA 1800 1100 11, 3030 8282, 1800 3000 8282, 1800 266 8282	www.samsung.com
	INDONESIA 0800-112-8888, 021-5699-7777	www.samsung.com
	JAPAN 0120-327-527	www.samsung.com
	MALAYSIA 1800-88-9999	www.samsung.com
	PHILIPPINES 1-800-10-SAMSUNG(726-7864) for PLDT 1-800-3-SAMSUNG(726-7864) for Digitel 1-800-8-SAMSUNG(726-7864) for Globe 02-5805777	www.samsung.com
	SINGAPORE 1800-SAMSUNG(726-7864)	www.samsung.com
	THAILAND 1800-29-3232, 02-689-3232	www.samsung.com
	TAIWAN 0800-329-999 0266-026-066	www.samsung.com
	VIETNAM 1 800 588 889	www.samsung.com
Middle East	U.A.E 800-SAMSUNG (726-7864)	www.samsung.com www.samservice.com
	OMAN 800-SAMSUNG(726-7864)	www.samsung.com
	KUWAIT 183-2255	www.samsung.com
	BAHRAIN 8000-4726	www.samsung.com
	EGYPT 08000-726786	www.samsung.com
	JORDAN 800-22273	www.samsung.com
	IRAN 021-8255	www.samsung.com
	MOROCCO 080 100 2255	www.samsung.com
	SAUDI ARABIA 9200-21230	www.samsung.com
Africa	TURKEY 444 77 11	www.samsung.com
	NIGERIA 0800-726-7864	www.samsung.com
	GHANA 0800-10077 0302-200077	www.samsung.com
	COTE D'IVOIRE 8000 0077	www.samsung.com
	SENEGAL 800-00-0077	www.samsung.com
	CAMEROON 7095-0077	www.samsung.com
	KENYA 0800 724 000	www.samsung.com
	UGANDA 0800 300 300	www.samsung.com
	TANZANIA 0685 88 99 00	www.samsung.com
	SOUTH AFRICA 0860-SAMSUNG(726-7864)	www.samsung.com



BN68-04204B-00

ENSAMBLE DE CLAMPER BAG (cinturón para sostener, amarrar y enganchar cables y accesorios)

Clamper Bag assembly / Serre Ensemble de sac

S: Este material se encuentra dentro de la bolsa de accesorios.

E: This material can be found in Assy. Accessory bag.

F: Ce matériau peut être trouvé dans Assy. sac à accessoires.

S: Antes de colocar el Clamper Bag verifique la condición física del Clamper Bag.

E: Please verify Clamper Bag condition before placing.

F: S'il vous plaît vérifier l'état de Sac Serre avant de placer.

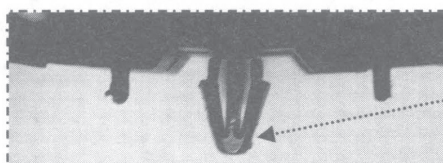
Clamper Bag (BN65-00003A)



S: Coloque el Clamper Bag en el orificio del Back Cover* presionando el gancho en forma de V que se introducirá en el orificio.

E: Put Clamper Bag into the Back Cover hole, press the little hook into the hole. Hole for this clamper is located in the middle of Back Cover, close to Assy Stand Base connection area.

F: Mettez Sac Serre dans le trou couvercle arrière, appuyez sur le petit crochet dans le trou. Trou pour ce dispositif de serrage est situé dans le milieu du dos de couverture, à proximité d'Assy Stand zone de connexion de base.



Gancho / Hook / Crochet

Back Cover

Orificio / Clamper Bag hole location / Serre emplacement du trou Sac

Back Cover

Clamper Bag

Posición final del Clamper / Final position / La position finale

S: Clamper Bag puede ser ajustado dependiendo el uso.

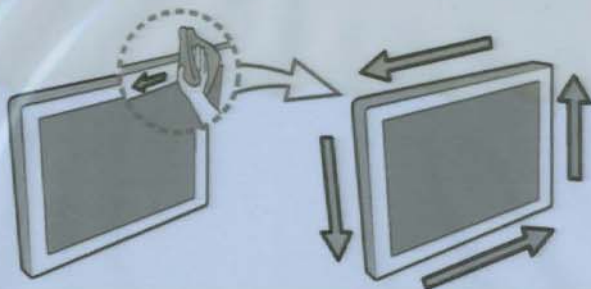
*Back Cover (parte trasera de la televisión) puede variar en su diseño, pero la posición del Clamper es la misma en cada modelo de TV.

E: Clamper Bag can be adjusted.

*Back Cover design may vary; it depends on PDP TV model and size. The location of Clamper Bag in each Back Cover is the same for all PDP TV models.

F: Sac serrage peut être ajustée.

*Retour Conception de la couverture peut varier, elle dépend de la télévision PDP modèle et la taille. L'emplacement de sac Serre dans chaque capot arrière est la même pour tous les modèles de téléviseurs PDP.



한국어

본 제품의 외관 면은 **고광택 고급 사양으로 긁힘에 약하므로 설치시 주의하세요.**
청소 전, 전용 천의 먼지를 충분히 털어 주세요. 전면 캐비닛은, 반드시
제공된 전용 천에 분무기를 이용하여 물을 4~6회 분사한 후, 한 방향으로
천천히 닦아 주세요. 닦았을때 물기가 많으면 얼룩이 생길 수 있습니다.
세척제로는 꼭 물만 사용해주세요.



Français

Ce produit est recouvert d'une couche de brillant vulnérable aux rayures ; il convient, par conséquent, de rester vigilant durant l'installation.

Veillez à enlever la saleté à l'aide du chiffon fourni avant de nettoyer le châssis. Pour nettoyer le meuble avant, assurez-vous de n'utiliser que le chiffon fourni. A pulvériser de l'eau 4 à 6 fois puis nettoyez en frottant dans une seule direction. Après le nettoyage, essuyez le châssis pour enlever l'humidité.

N'utilisez que de l'eau comme produit de nettoyage.



Italiano

Il prodotto è molto lucido sulla superficie, che si può graffiare facilmente; occorre fare attenzione durante l'installazione.

Prima di effettuare la pulizia del telaio, assicurarsi che il panno appositamente fornito sia pulito. Per pulire la parte anteriore del cabinet, assicurarsi di utilizzare solo il panno fornito, che dovrà essere spruzzato d'acqua 4 o 6 volte prima di strofinarlo delicatamente in un'unica direzione. Dopo la pulizia, asciugare il telaio per rimuovere ogni traccia di umidità.

Come sostanza pulente, utilizzare solo acqua.



Português

Este produto possui um acabamento brilhante na superfície particularmente sujeito a riscos; devem ser tomadas as devidas precauções durante a instalação.

Sacuda o pó do pano fornecido antes de limpar a caixa. Para proceder à limpeza da parte frontal, certifique-se de que utiliza apenas o pano fornecido, ligeiramente humedecido, limpando suavemente numa única direcção. Depois da limpeza, passe um pano seco sobre a caixa do aparelho para remover a humidade.

Utilize apenas água como solução de limpeza.



Русский

Поверхность этого устройства с глянцевым покрытием легко поцарапать; соблюдайте осторожность во время установки.

Перед очисткой корпуса, сотрите с него пыль с помощью прилагаемой ткани. При чистке передней стороны корпуса используйте только прилагаемую ткань, предварительно увлажнив ее 4-6 раз распылителем влаги. Затем без лишних усилий вытирайте движениями в одном направлении. После чистки вытрите корпус до полного удаления влаги.

Используйте для чистки только воду.



中文

该产品为高光产品，安装时必须小心以避免划伤表面。

清洁机壳前，请确保掸去随附的布片上的灰尘。

清洁机壳时，请确保您只使用随附的布片，先在布片上喷水4到6次，然后沿着同一方向轻轻擦拭。清洁完成后，请彻底擦掉机壳上的水份。只能使用水作为清洁溶液。



English

This product is high glossy, Please be careful of surface scratch while installation.

Make sure to brush off the dirt on the provided cloth before cleaning the cabinet. For cleaning the front cabinet, make sure you use only the provided cloth on which to spray water 4 to 6 times before wiping it out softly in one direction. After cleaning, wipe the cabinet to remove any moisture. **Only use water as a cleansing solution.**



Deutsch

Dieses Produkt hat eine hochglänzende Oberfläche, die sehr leicht zerkratzt werden kann, weshalb während der Montage besondere Vorsicht geboten ist.

Vergewissern Sie sich, dass das mitgelieferte Tuch sauber ist, bevor Sie es zum Reinigen des Gehäuses verwenden. Zum Reinigen der Vorderseite verwenden Sie bitte nur das mitgelieferte Tuch, auf das sie 4 bis 6 Spritzer Wasser auftragen. Wischen Sie dann in eine Richtung vorsichtig über die Fläche. Wischen Sie das Gehäuse nach dem Reinigen trocken.

Verwenden Sie nur Wasser als Reinigungsmittel.



Español

Este producto tiene un revestimiento muy brillante en la superficie vulnerable a arañazos; tenga mucho cuidado durante la instalación.

Elimine la suciedad del paño suministrado antes de limpiar la caja. Para limpiar el la caja frontal, asegúrese de que utiliza únicamente un paño y de que lo rocía entre 4 y 6 veces antes de pasarlo suavemente en una dirección. Después de limpiar la caja, séquela cuidadosamente para eliminar la humedad.

Limpie únicamente con agua.



Polski

Ten produkt ma powierzchnię lakierowaną o wysokim połysku, która jest bardzo podatna na zarysowania, dlatego należy uważać podczas montażu.

Przed przystąpieniem do czyszczenia obudowy należy strząść brud z dołączonej szmatki. Do czyszczenia przedniej części należy używać wyłącznie załączonej szmatki, którą należy spryskać 4-6 razy wodą, a następnie przecierać powierzchnię w jednym kierunku. Po zakończeniu czyszczenia wytrzeć obudowę na sucho.

Jedynym odpowiednim środkiem czyszczącym jest woda.



Türkçe

Ürünün cilalanmış olan yüzeyi çizilmelere karşı hassastır; dolayısıyla kurulum esnasında dikkatli olunmalıdır.

Dolabı temizlemeden önce, ürünü birlikte sağlanan bezin fırça ile temizlediğinden emin olun. Ön kabini temizlemek için yalnızca birlikte gelen kumaşı kullanın ve kumaşa 4 ila 6 kez su püskürttükten sonra tek yönlü olarak nazikçe silin. Temizledikten sonra, nenden anndirmek için dolabı silin.

Temizleme çözeltisi olarak yalnızca su kullanın.



BN63-02368B-00

Warning! Important Safety Instructions

(Please read the appropriate section that corresponds to the marking on your Samsung product before attempting to install the product.)

CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). THERE ARE NO USER SERVICEABLE PARTS INSIDE. REFER ALL SERVICING TO QUALIFIED PERSONNEL.



This symbol indicates that high voltage is present inside. It is dangerous to make any kind of contact with any internal part of this product.



This symbol alerts you that important literature concerning operation and maintenance has been included with this product.

- The slots and openings in the cabinet and in the back or bottom are provided for necessary ventilation. To ensure reliable operation of this apparatus, and to protect it from overheating, these slots and openings must never be blocked or covered.
 - Do not cover the slots and openings with a cloth or other materials.
 - Do not block the slots and openings by placing this apparatus on a bed, sofa, rug or other similar surface.
 - Do not place this apparatus in a confined space, such as a bookcase, or built-in cabinet, unless proper ventilation is provided.
- Do not place this apparatus near or over a radiator or heat resistor, or where it is exposed to direct sunlight.
- Do not place a water containing vessel(vases etc.) on this apparatus, as this can result in a risk of fire or electric shock.
- Do not expose this apparatus to rain or place it near water(near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool etc.). If this apparatus accidentally gets wet, unplug it and contact an authorized dealer immediately. Make sure to pull out the power cord from the outlet before cleaning.
- This apparatus uses batteries. In your community there might be regulations that require you to dispose of these batteries properly under environmental considerations. Please contact your local authorities for disposal or recycling information.
- Do not overload wall outlets, extension cords or adaptors beyond their capacity, since this can result in fire or electric shock.
- Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plug end, adaptors and the point where they exit from the appliance.
- To protect this apparatus from a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the set due to lightning and power line surges.
- Before connecting the AC power cord to the DC adaptor outlet, make sure the voltage designation of the DC adaptor corresponds to the local electrical supply.
- Never insert anything metallic into the open parts of this apparatus. Doing so may create a danger of electric shock.
- To avoid electric shock, never touch the inside of this apparatus. Only a qualified technician should open this apparatus.
- Make sure to plug the power cord in until it is firmly inserted. When removing the power cord, make sure to hold the power plug when pulling the plug from the outlet. Do not touch the power cord with wet hands.
- If this apparatus does not operate normally - in particular, if there are any unusual sounds or smells coming from it
 - unplug it immediately and contact an authorized dealer or service center.
- Be sure to pull the power plug out of the outlet if the TV is to remain unused or if you are to leave the house for an extended period of time (especially when children, elderly or disabled people will be left alone in the house).
 - Accumulated dust can cause an electric shock, an electric leakage or a fire by causing the power cord to generate sparks and heat or the insulation to deteriorate.
- Be sure to contact an authorized service center, when installing your set in a location with heavy dust, high or low temperatures, high humidity, chemical substances and where it operates for 24 hours such as the airport, the train station etc. Failure to do so may cause serious damage to your set.
- Use only a properly grounded plug and receptacle.
 - An improper ground may cause electric shock or equipment damage. (Class I Equipment only.)
- To disconnect the apparatus from the mains, the plug must be pulled out from the mains socket, therefore the mains plug shall be readily operable.
- Do not allow children to hang onto the product.
- Store the accessories (battery, etc.) in a location safely out of the reach of children.
- Do not install the product in an unstable location such as a shaky self, a slanted floor or a location exposed to vibration.
- Do not drop or impart any shock to the product. If the product is damaged, disconnect the power cord and contact a service center.
- Unplug the power cord from the power outlet and wipe the product using a soft, dry cloth. Do not use any chemicals such as wax, benzene, alcohol, thinners, insecticide, air freshener, lubricant or detergent. This may damage the appearance or erase the printing on the product.
- Apparatus shall not be exposed to dripping or splashing.
- Do not dispose of batteries in a fire.
- Do not short circuit, disassemble or overheat the batteries.
- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- **WARNING - TO PREVENT THE SPREAD OF FIRE, KEEP CANDLES OR OTHER OPEN FLAMES AWAY FROM THIS PRODUCT AT ALL TIMES.**



Regulatory Compliance Statements

Your Samsung product compliance class is marked in the user manual.

- Federal Communications Commission (FCC) - USA
- Industry Canada Equipment Standard for Digital Equipment (ICES-003) - Canada
- Voluntary Control Council for Interference (VCCI) - Japan
- Bureau of Standards Metrology and Inspection (BSMI) - Taiwan
- Korea Communications Commission(KCC) - Republic of Korea
- Italian Post Ministry (Homologation) - Italy

FCC Class A Notice

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

NOTE:

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Class B Notice

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

User Information

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. If necessary, consult with your dealer or an experienced radio/television technician for additional suggestions. You may find the booklet called How to Identify and Resolve Radio/TV Interference Problems helpful. This booklet was prepared by the Federal Communications Commission. It is available from the U.S. Government Printing Office. Washington, DC 20402, Stock Number 004-000-00345-4.

The party responsible for product compliance:

SAMSUNG ELECTRONICS CO., LTD.
America QA Lab of Samsung
3351 Michelson Drive
Suite #290, Irvine, CA92612 USA

Warning

User must use shielded signal interface cables to maintain FCC compliance for the product.

Provided with this monitor is a detachable power supply cord with IEC320 style terminations.

It may be suitable for connection to any UL Listed personal computer with similar configuration.

Before making the connection, make sure the voltage rating of the computer convenience outlet is the same as the monitor and that the ampere rating of the computer convenience outlet is equal or exceeds the monitor voltage rating.

For 120 Volt applications, use only UL Listed detachable power cord with NEMA configuration 5-15P type(parallel blades) plug cap. For 240 Volt applications use only UL Listed detachable power supply cord with NEMA configuration 6-15P type (tandem blades) plug cap.

This television receiver provides display of television closed captioning in accordance with Section 15.119 of the FCC rules. (TV broadcast receivers with picture screens 13 inches or larger in diameter models only)

ICES-003 Class A Notice - Avis NMB-003, Classe A

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

ICES-003 Class B Notice - Avis NMB-003, Classe B

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

VCCI Class A Notice

この装置は、クラスA 情報技術装置です。

この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。

この場合には使用者が適切な対策を講ずるよう要求されることがあります。

VCCI Class B Notice

この装置は、クラスB 情報技術装置です。

この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。取扱説明書に従って正しい取り扱いをして下さい。

CCC Class A notice - China

此为A级产品，在生活环境中，该产品可能会造成无线电干扰。

在这种情况下，可能需要用户对其干扰采取切实可行的措施。

BSMI Class A Notice

The following statement is applicable to products shipped to Taiwan and marked as Class A on the product compliance label.

警告使用者：

這是甲類資訊類產品，在居住環境中使用時，可能會造成射頻干擾，在這種情況下，使用者會被要求採取某些適當的對策。



European Notice(Europe Only)

Products with the CE marking comply with the EMC Directive(2004/108/EC) and the Low Voltage Directive(2006/95/EC) issued by the Commission of the European Community.

Compliance with these directives implies conformity to the following European Norms:

- EN55022: Radio Frequency Interference
- EN55024: Electromagnetic Immunity of Information Technology Equipment
- EN61000-3-2: Power Line Harmonics
- EN61000-3-3: Voltage Fluctuations
- EN55013: Radio disturbance characteristics of broadcast receivers and associated equipments
- EN55020: Electromagnetic immunity of broadcast receivers and associated equipments

European Class A Warning

(If the user manual declares the product as Class A, following statement applies.)

This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

A급 기기(업무용 방송통신기자재)

이 기기는 업무용(A급) 전자파적합기기로서 판매자 또는 사용자는 이 점을 주의하시기 바라며, 가정외의 지역에서 사용하는 것을 목적으로 합니다.

B급 기기(가정용 방송통신기자재)

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Italian Homologation Notice

Questo apparecchio e fabbricato in conformita al D.M.28.08.95 n.548

ed in particolare a quanto specificato nell Art.2, comma 1.

Questo apparecchio e fabbricato nella U.E. in conformita al D.M.28.08.95 n.548

Art.2, comma 1 ed al D.M.26.03.92 Art.1

-. For products produced in countries except European Community

Questo apparecchio e fabbricato in conformita al D.M.28.08.95 n.548

ed in particolare a quanto specificato nell Art.2, comma 1.

-. For products produced in European Community

Questo apparecchio e fabbricato nella U.E. in conformita al D.M.28.08.95 n.548

Art.2, comma 1 ed al D.M.26.03.92 Art.1

Important Safety Instructions(UL Only)

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



S3125A

WARNING: To prevent damage which may result in fire or electric shock hazard, do not expose this appliance to rain or moisture.

• **Ventilation**

Do not place the apparatus in a rack or bookcase. Ensure that there is adequate ventilation and that you've followed that manufacturer's instructions for mounting and installation.

MPR II Compliance (MPR II applied model only)

This monitor complies with SWEDAC(MPR II) recommendations for reduced electric and magnetic fields.

• **ENERGYSTAR qualified model only**

- Your Samsung TV is ENERGYSTAR qualified in its factory default settings. Change to certain features, settings and functionality in this TV can change the power consumption, possibly beyond the limits required for ENERGYSTAR qualification.
- As an ENERGY STAR Partner, Samsung has determined that this product or product models meets the ENERGY STAR guidelines for energy efficiency.



Mercury Statement (LCD Monitor, LCD TV, DLP Projection TV, Projector for USA only)

Contains Mercury, Dispose According to Local, State or Federal Laws



AA68-03242L-08

DON'T JUST WATCH TV. DIRECTV.™

Save \$120

A SPECIAL OFFER NOT AVAILABLE TO THE GENERAL PUBLIC!

You're getting a great price—

PLUS

\$10 off every month for 12 mos.

in addition to DIRECTV's current promotional prices.

When you order the ENTERTAINMENT package or higher.

OTHER PACKAGES STARTING AT

\$29⁹⁹
mo.

Everyday Low Price
FAMILY™ package

FREE PROFESSIONAL
INSTALLATION
IN UP TO 4 ROOMS

NO EQUIPMENT TO BUY
NO START-UP COSTS

LOCAL CHANNELS
IN HD IN OVER 95% OF THE U.S.¹

All DIRECTV offers require a 24-month agreement.** Offers end 7/18/12. Credit card required (except in MA & PA). New approved customers only (lease required). Hardware available separately. Additional fees required. \$19.95 Handling & Delivery fee may apply. Applicable use tax adjustment may apply on the retail value.

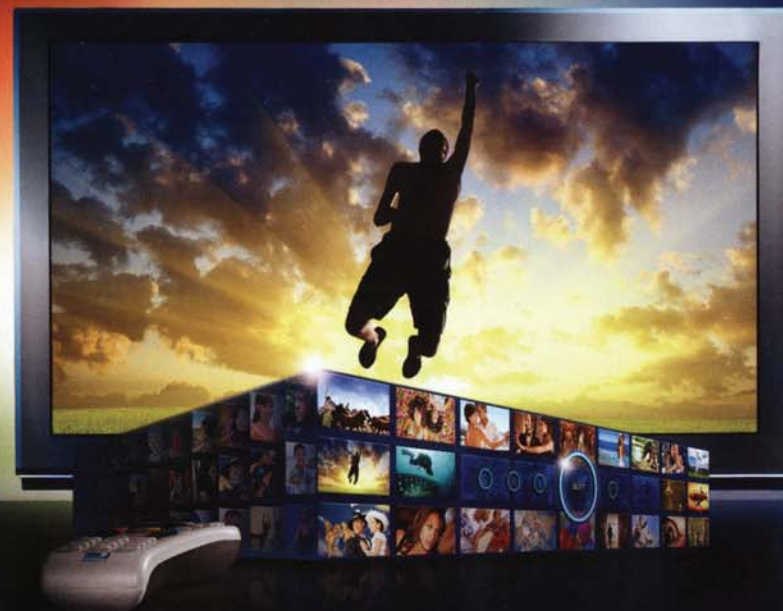
Save \$120 when you call this dedicated number

1-888-778-8797

DIRECTV service and offers not available outside of the U.S.

All programming and pricing valid as of December 2011. Programming/pricing subject to change at any time.

A special offer for **SAMSUNG** customers.
Not available to the general public!



SAVE \$120[^]

in addition to DIRECTV's current
promotional prices in your area.

Activation of the ENTERTAINMENT Package or higher required. With 24-month agreement.**
Conditions apply. See inside for offer details.

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THE MOST SAVINGS.
THE MOST TELEVISION.

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Everyday Low Price
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FREE PROFESSIONAL
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All programming and pricing valid as of December 2011.
Programming/pricing subject to change at any time.



5 GREAT REASONS FOR SWITCHING TO DIRECTV:

1 Get more HD with DIRECTV!

DIRECTV delivers more full-time HD channels² than any other cable or satellite provider—over 170—including local channels plus the most sports!³ You'll also get access to the most movies in 1080p⁴ with Dolby® Digital 5.1 Surround Sound,⁵ for a viewing experience that redefines home entertainment!

Plus, get up to 47 FREE premium channels for 3 months with the CHOICE™ package or higher!



Up to 47
FREE
premium
channels



2 NEW! DIRECTV's Hi-Def Guide

What's on NOW?
With one click,
see what's
currently on.



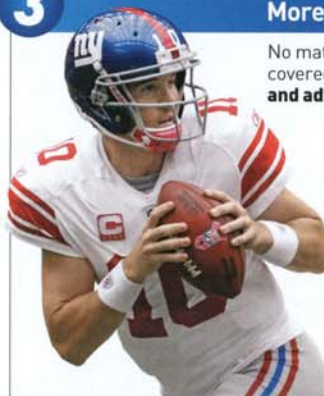
Now, every
movie from
every channel.
All in one place.

Lightning-fast
scrolling. Even
14 days out.

When you use the new DIRECTV HI-DEF GUIDE, you'll spend less time searching and more time watching! With faster scrolling, smarter searching, and a sleeker design, our new HD on-screen guide makes controlling your TV an intuitive and enjoyable experience!⁶

3 More sports! More ways to watch!

No matter what game, no matter what season, no one has you covered like DIRECTV. With **exclusive packages, mix channels and advanced features**, you'll never miss a moment!



More
exclusive
sports!



4 Get everything DISH Network and cable don't give you.

	DIRECTV	DISH Network	Cable
The most full-time HD channels ²	✓	✗	✗
Sharpest picture available with the most movies in 1080p, ⁴ many with Dolby® Digital 5.1 Surround Sound ⁵ <small>Not all HD programming available in 1080p.</small>	✓	✗	✗
Exclusive sports packages: NFL SUNDAY TICKET™, NASCAR HotPass™ ³	✓	✗	✗
#1 in Customer Satisfaction <small>Among the largest national cable & satellite TV providers. 2011 American Customer Satisfaction Index</small>	✓	✗	✗
Get bundled Internet and phone services coast-to-coast with top names like AT&T®, CenturyLink® and Verizon® ^{††}	✓	✗	✗
Special Offer: \$120 Savings*	✓	✗	✗

5 Bring home the ultimate television experience.

#1 in Sports

From your favorite teams to your fantasy teams, DIRECTV sports coverage is undefeated.³

\$0 Start-Up Costs

No equipment to buy. FREE professional installation.

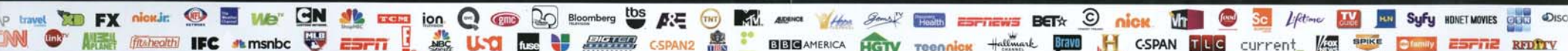
Applicable use tax adjustment may apply on the retail value of the installation.

Access to 170+ HD Channels

More of the channels you really want to watch in full-time HD!²

SAVE \$120 WHEN YOU CALL THIS DEDICATED NUMBER: 1-888-778-8797

When you order the ENTERTAINMENT package or higher. 24-month agreement required.**



*\$120 CREDIT OFFER: New customer must sign up using the phone number provided (1-888-778-8797) and order a leased system (on approved credit) by 7/17/12. Upon activation of DIRECTV System and the ENTERTAINMENT Package or higher, customer will receive 12 non-transferable/unused credits of \$10 each over 12 DIRECTV billing cycles, totaling \$120. Commercial activity/credits not eligible. Account must be in "good standing" as determined by DIRECTV in its sole discretion to remain eligible for all offers.

**24-MO. LEASE AGREEMENT: EARLY CANCELLATION WILL RESULT IN A FEE OF \$20/MONTH FOR EACH REMAINING MONTH. Must maintain 24 consecutive months of your DIRECTV programming package. Advanced Receiver DVR fee (\$50/mo.) required for DVR lease. Advanced Receiver HD fee (\$100/mo.) required for HD Receiver lease. Advanced Receiver fee (\$50/mo.) required for HD DVR and 100 HD DVR from DIRECTV lease. This service fee (\$50/mo.) required for 100 HD DVR from DIRECTV lease. If you have two boxes or one box and an enabled TV or your account you are charged an additional fee of \$50/mo. per box and/or enabled TV. NON-ACTIVATION CHARGE OF \$150 PER RECEIVER MAY APPLY. ALL EQUIPMENT IS LEASED AND MUST BE RETURNED TO DIRECTV UPON CANCELLATION, OR UNRETURNED EQUIPMENT FEES APPLY. MUST DIRECTV FOR DETAILS. Advanced receiver instant rebate requires activation of the ENTERTAINMENT Package or above. OPTIMUM MAG or above for DVR Receiver, MAG (AT&T), Johnson, or any qualifying international service bundle, which shall include the PREFERRED CHOICE programming package valued at \$41.99/mo. 1. Second, third and fourth HD Receiver offer requires activation of the ENTERTAINMENT Package or above in MAG 10.75A Package or above and HD DVR as the first receiver upgrade. Additional advanced receiver upgrades available for a charge.

1. Eligibility based on service address. Not all networks available in all markets. HD local channels not delivered in HD in all markets. 2. Number of HD channels varies based on package. To access DIRECTV HD programming, HD equipment is required. 3. Most sports in HD based on national offering of exclusive sports packages and other major sports programming in HD. Blackout restrictions and other conditions apply. Actual number of games varies by market. Professional and collegiate sports subscriptions sold separately. 4. Limited files available in 1080p. To view programs in 1080p, the following are required: an HD DVR Receiver (model H20 or higher), an HDMI cable connecting the receiver and the television, and

a high-definition 1080p television. Not all models are compatible. 5. Dolby Digital 5.1 surround sound only available when provided by programmer. Equipment available separately. 6. DVR Scheduler requires Internet access via computer or mobile device and directv.com login. Remote connections may vary. In some instances, scheduled recordings may not be recognized. Only available on certain DVR Receivers. Visit directv.com/scheduler for details. 7. For full mix channel and interactive functionality, a 2010 (or later model) interactive DIRECTV Receiver is required. Access to channels depends on programming package. 8. On-screen guide available on all HD DVRs and HD Receivers (model H21 and later). To access DIRECTV HD programming, HD equipment along with Advanced Receiver Service required. Number of HD channels varies by package. To view guide in 1080p, the following are required: a DIRECTV Plus HD DVR Receiver (model H20 or later) or HD Receiver (model H21 or later), an HDMI cable connecting the receiver and the television, and a high-definition 1080p television. Not all models are compatible. Make proper browsing and personal recommendations requires a DIRECTV PLUS HD DVR Receiver (H21 or later). Programming, pricing, terms and conditions subject to change at any time. Pricing residential. Taxes not included. Receipt of DIRECTV programming subject to DIRECTV Customer Agreement, copy provided at directv.com/legal and in order confirmation. DISH Network is a registered trademark of Dish Network LLC. "Dish" and the double-D symbol are trademarks of Dish Network LLC. DIRECTV is a trademark of DIRECTV, LLC. All other trademarks and service marks are the property of their respective owners.

SAMSUNG BRAND PRODUCTS

LIMITED WARRANTY TO ORIGINAL PURCHASER

This SAMSUNG brand product, as supplied and distributed by SAMSUNG and delivered new, in the original carton to the original consumer purchaser, is warranted by SAMSUNG against manufacturing defects in materials and workmanship for a limited warranty period of: **(90 Days Parts and Labor for Commercial Use)**

Categories	Parts	Labor	Size	Service
LCD/LED TV	1 Year	1 Year	40" and Larger	Carry-In or In Home
			37" and Smaller	Carry-In
Plasma Display	1 Year	1 Year	All	Carry-In or In Home
Projector (Excluding Lamp **)	2 Year	2 Year	All	Carry-In or Pick up
PICO & LED Pocket Projector	1 Year	1 Year	All	Carry-In or Pick up

**** 180 Days after Purchasing and 600 Hours of Use Lamp on Projector**

This limited warranty begins on the original date of purchase, and is valid only on products purchased and used in the United States. To receive warranty service, the purchaser must contact SAMSUNG for problem determination and service procedures. Warranty service can only be performed by a SAMSUNG authorized service center. The original dated bill of sale must be presented upon request as proof of purchase to SAMSUNG or SAMSUNG's authorized service center.

SAMSUNG will repair or replace this product, at our option and at no charge as stipulated herein, with new or reconditioned parts or products if found to be defective during the limited warranty period specified above. All replaced parts and products become the property of SAMSUNG and must be returned to SAMSUNG. Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer.

Certain products are eligible for In-home service at Samsung's discretion. To receive in-home service, the product must be unobstructed and accessible to service personnel. If during in-home service repair can not be completed, it may be necessary to remove, repair and return the product. If in-home service is unavailable, SAMSUNG may elect, at our option, to provide for transportation of our choice to and from a SAMSUNG authorized service center. Otherwise, and for 37" and smaller LCD/LED TV, transportation to and from the SAMSUNG authorized service center is the responsibility of the purchaser.

This limited warranty covers manufacturing defects in materials and workmanship encountered in normal, and except to the extent otherwise expressly provided for in this statement, noncommercial use of this product, and shall not apply to the following, including, but not limited to: damage which occurs in shipment; delivery and installation; applications and uses for which this product was not intended; altered product or serial numbers; cosmetic damage or exterior finish; accidents, abuse, neglect, fire, water, lightning or other acts of nature; use of products, equipment, systems, utilities, services, parts, supplies, accessories, applications, installations, repairs, external wiring or connectors not supplied or authorized by SAMSUNG which damage this product or result in service problems; incorrect electrical line voltage, fluctuations and surges; customer adjustments and failure to follow operating instructions, cleaning, maintenance and environmental instructions that are covered and prescribed in the instruction book; reception problems and distortion related to noise, echo, interference or other signal transmission and delivery problems; brightness related to normal aging, or burned-in images. SAMSUNG does not warrant uninterrupted or error-free operation of the product.

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE LISTED AND DESCRIBED ABOVE, AND NO WARRANTIES WHETHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL APPLY AFTER THE EXPRESS WARRANTY PERIODS STATED ABOVE, AND NO OTHER EXPRESS WARRANTY OR GUARANTY GIVEN BY ANY PERSON, FIRM OR CORPORATION WITH RESPECT TO THIS PRODUCT SHALL BE BINDING ON SAMSUNG. SAMSUNG SHALL NOT BE LIABLE FOR LOSS OF REVENUE OR PROFITS, FAILURE TO REALIZE SAVINGS OR OTHER BENEFITS, OR ANY OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE, MISUSE OR INABILITY TO USE THIS PRODUCT, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED, AND EVEN IF SAMSUNG HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. NOR SHALL RECOVERY OF ANY KIND AGAINST SAMSUNG BE GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE PRODUCT SOLD BY SAMSUNG AND CAUSING THE ALLEGED DAMAGE. WITHOUT LIMITING THE FOREGOING, PURCHASER ASSUMES ALL RISK AND LIABILITY FOR LOSS, DAMAGE OR INJURY TO PURCHASER AND PURCHASER'S PROPERTY AND TO OTHERS AND THEIR PROPERTY

ARISING OUT OF THE USE, MISUSE OR INABILITY TO USE THIS PRODUCT SOLD BY SAMSUNG NOT CAUSED DIRECTLY BY THE NEGLIGENCE OF SAMSUNG. THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THIS PRODUCT, IS NONTRANSFERABLE AND STATES YOUR EXCLUSIVE REMEDY.

Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

To obtain warranty service, please contact SAMSUNG at:

Samsung Electronics America, Inc.
85 Challenger Road
Ridgefield Park, NJ 07660-2112
1-800-SAMSUNG (7267864) – www.samsung.com
1-800-749-0260 : Only Projector

IMPORTANT WARRANTY INFORMATION REGARDING TELEVISION FORMAT VIEWING

Standard screen format televisions (4:3, the aspect ratio of the screen width to height) are primarily designed to view standard format full-motion video. The images displayed on them should primarily be in the standard 4:3 ratio format and constantly moving. Displaying stationary graphics and images on screen, such as the dark top and bottom letterbox bars (wide screen pictures), should be limited to no more than 15% of the total television viewing per week.

Wide screen format televisions (16:9, the aspect ratio of the screen width to height) are primarily designed to view wide screen format full-motion video. The images displayed on them should primarily be in the wide screen 16:9 ratio format, or expanded to fill the screen if your model offers this feature, and constantly moving. Displaying stationary graphics and images on screen, such as the dark side-bars on non-expanded standard format television video and programming, should be limited to no more than 15% of the total television viewing per week.

Additionally, viewing other stationary images and text such as stock market reports, video game displays, station logos, web sites or computer graphics and patterns, should be limited as described above for all televisions. Displaying any stationary images that exceed the above guidelines can cause uneven aging of Plasma Display Panels that leave subtle, but permanent burned-in ghost images in the television picture. To avoid this, vary the programming and images, and primarily display full screen moving images, not stationary patterns or dark bars. On television models that offer picture sizing features, use these controls to view the different formats as a full screen picture.

Be careful in the selection and duration of television formats used for viewing. Uneven Plasma Display Panels aging as a result of format selection and use, as well as other burned-in images, is not covered by your Samsung limited warranty.



BP68-00263E-03